

**CALIFORNIA
MOTOR VEHICLE STOCK, TRAVEL AND FUEL
FORECAST**



California Department of Transportation

Division of Transportation System Information

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CALIFORNIA MOTOR VEHICLE STOCK, TRAVEL AND FUEL FORECAST

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Conversion Factors

The following factors are used in this report to convert U.S. units to metric units.

$$\text{Kilometers} = 1.609 \times \text{Miles}$$

$$\text{Liters} = 3.785 \times \text{Gallons}$$

I. SUMMARY

This is the eighteenth of a series of California Motor Vehicle Stock, Travel and Fuel Forecast (MVSTAFF) reports. The reports provide historical estimates and forecasts of the number of registered vehicles, miles of travel, fuel consumption, and fuel economy on a statewide basis. The forecasts are disaggregated into six vehicle body types (autos, four weight classes of trucks, and motorcycles) and two fuel types (gasoline and diesel).

The forecasts are primarily intended for short and long range statewide transportation planning, traffic forecasting and projections of revenues from excise taxes on fuel. In response to numerous requests, the statewide vehicle miles of travel (VMT) forecasts are distributed among the 58 counties and two major road systems (State Highways and all "Other" public roads) for substate planning, including transportation and air quality modeling and analysis. For the purpose of air quality conformity analysis the 1990 county VMT table is included in the appendix. Also included in this report are the vehicle fuel consumption (VFC) distributions by the 58 counties and the two-fuel types gasoline and diesel.

The MVSTAFF process requires long-term projections of statewide population, economic growth (total personal income), fuel prices, inflation, and interest rates. For this forecast, population numbers were obtained from the latest California Department of Finance (DOF) population projection reports (Ref. 4 and 5). Income projections were from the September 2002 UCLA Anderson Forecast For the Nation and California (Ref. 3). All other variables, including fuel price, were derived from the DRI-WEFA Group, "U.S. Economy, The 25-Year Focus, Spring Issue, 2002" (Ref. 7). The DRI-WEFA Group projections represent a "trend/moderate growth" scenario. The MVSTAFF forecast, therefore, reflects the same scenario superimposed on the DOF population and UCLA income projections and the existing legislation regarding current and future sales and excise taxes on fuel. The socioeconomic assumptions are further documented in the report.

The forecast results are summarized in Figure-S1. For the current year (2002), total vehicle miles of travel (VMT), and vehicle fuel consumption (VFC) are projected to increase by 2.37%, and 2.35%, respectively, from the previous year.

In 2003, the economy is expected to rise moderately. Real total personal income per person, total vehicles, VMT and fuel consumption are projected to increase moderately by 1.60%, 1.46%, 3.10% and 2.91% respectively.

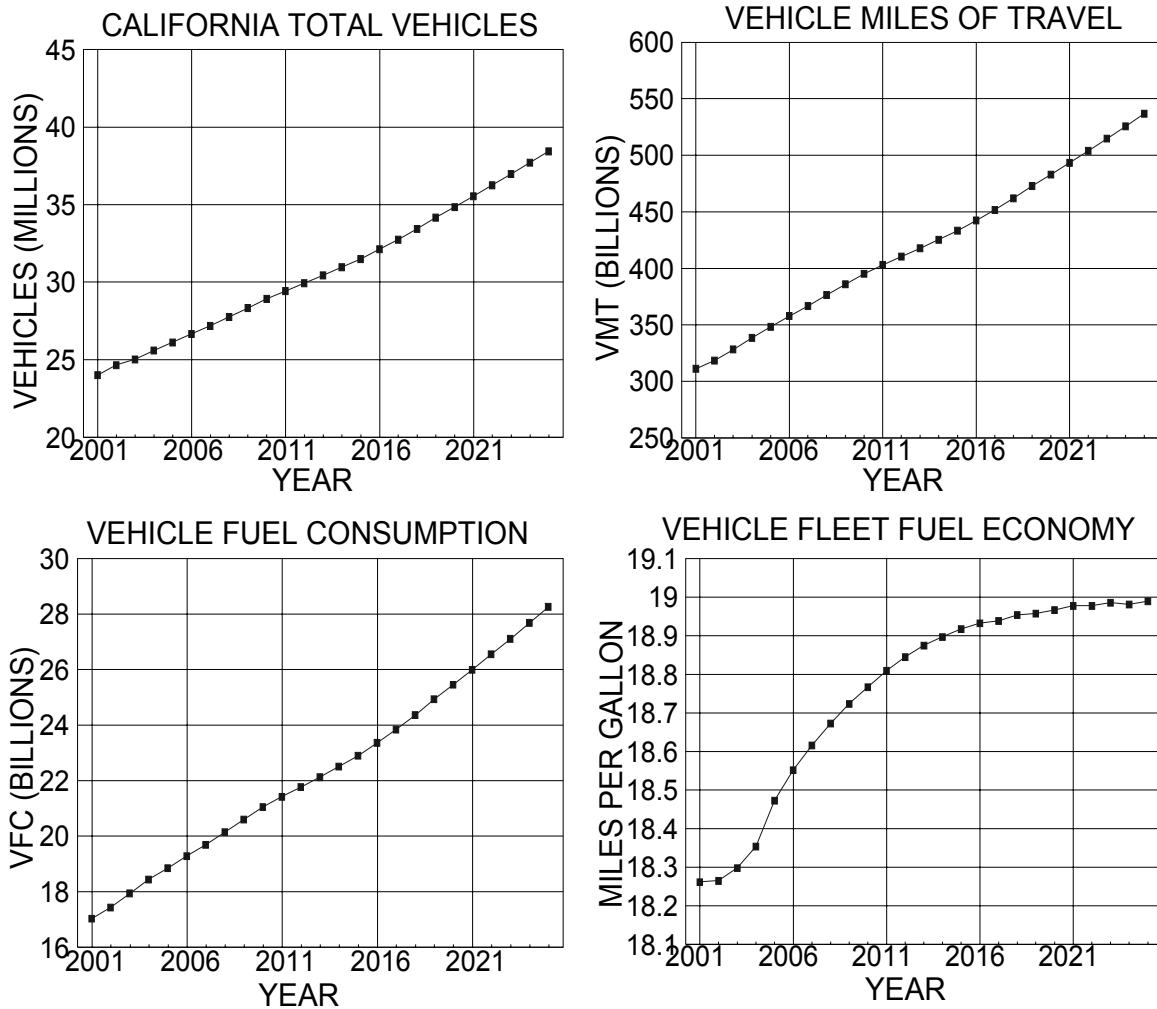
The long-term forecast is for total vehicles, vehicle travel, and fuel consumption to continue to increase but at declining rates. Under the assumption that the Corporate Average Fuel Economy (CAFE) standard for new cars will remain at 27.5 miles per gallon, and the projected increase in the proportion of heavy duty truck travel, the fleet fuel economy will reach a peak value of 18.99 miles per gallon by year 2025.

Past and projected growth in California vehicle miles of travel are affected by: population, real total personal income per person (IPP), vehicles per person (VPP), and the fuel cost per mile (FCPM) of travel, all of which are put in a historical perspective in Figure-S2. The figure shows the percent change in the variables, from the beginning of one decade to the next, for the past 50 years and the 20-year forecast period. The following can be noted from the figure:

- The decade of the 1950's experienced a 71% increase in VMT which was driven primarily by a 49% increase in population and helped along with moderate increases in per capita total personal income and vehicle ownership.
- The 1960's saw a 64% increase in VMT although population grew at about half the rate that it did in the 1950's (26% vs. the previous 49%). The driving force in the 1960's would appear to be the growth in per capita income and vehicle ownership, the highest in the 50-year history.
- The 1970's produced the smallest percentage increase in VMT (38%) in the first 40 years as a result of the lowest percentage increase in population in this 40-year period, a slower growing economy and sharply rising fuel prices (55%) in the last half of the decade.
- In the 1980's, VMT grew by 62%, rivaling its growth in the 1950's and 1960's. At the same time per capita income and vehicle ownership grew by only 12% and 7%, respectively. Most of the growth in VMT in the 1980's can therefore be attributed to strong population gains (26%) and the precipitous drop in the real fuel cost per mile of travel (57%), resulting from a 45% drop in the real price of fuel and a 30% increase in the on-road fleet fuel economy.
- In the 1990's, VMT grew by only 19% as population growth slows down to 15%; personal income shows moderate (9%) growth. Fuel cost per mile increases 12% due to a sharp increase in fuel prices in 1999 and 2000.
- In the 2000's VMT is forecasted to grow 29% as population growth rates increase slightly above the 1990's (17%), personal income increase moderately (9%). Fuel cost per mile is expected to drop 20% in the 2000's.
- In the 2010's VMT grows moderately (22%) as population growth rate increase slightly under the 1990's (14%) but personal income increase 21% doubling the rate in the 2000's. Fuel cost per mile is forecasted to be very stable, a change of only 2.0% in 10 years.

Estimates of total system and state highway system vehicle miles of travel for the period 1965-2025 are shown in Figure-S3. Estimates of gasoline, diesel and total fuel consumption for the years 1965-2025 are shown in Figure-S4.

Figure-S1
Motor Vehicle Stock, Travel and Fuel Forecast

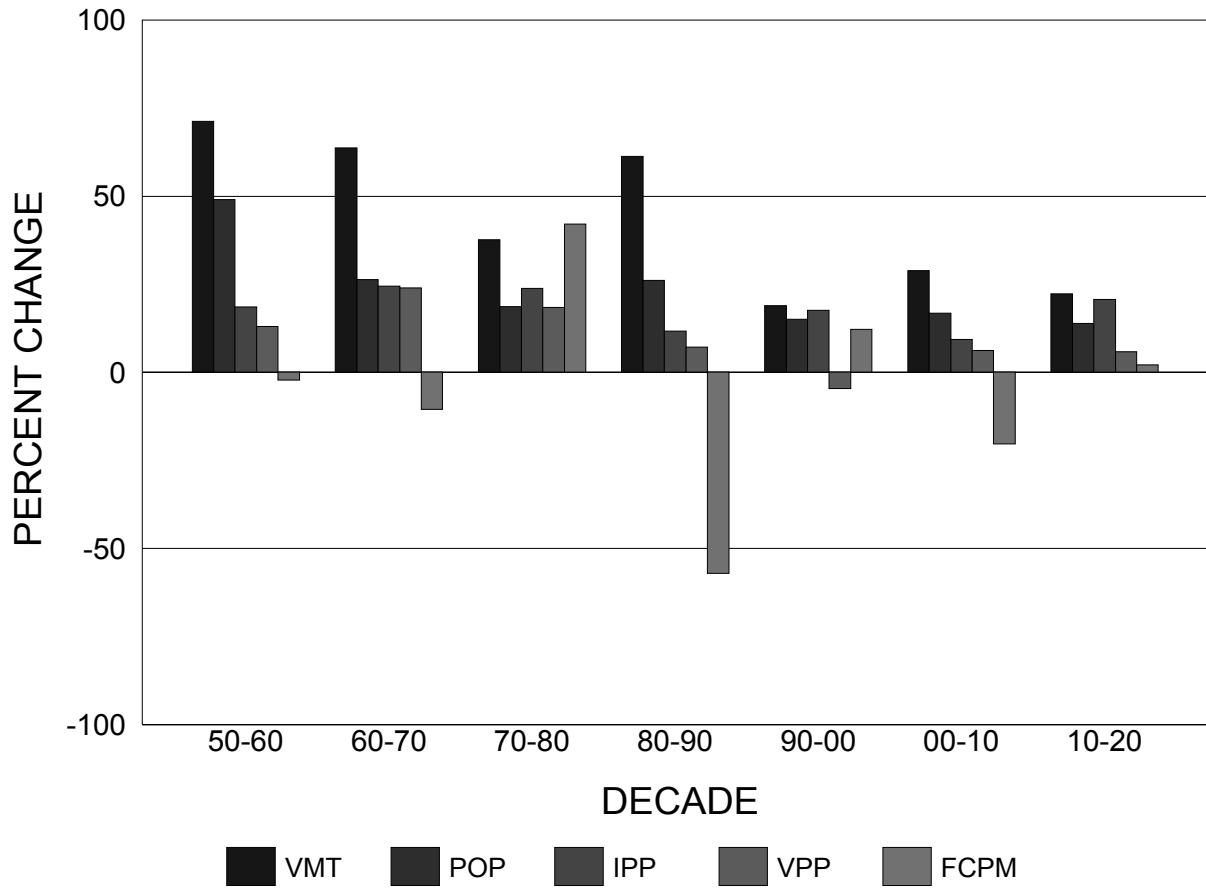


CALIFORNIA TOTAL VEHICLES, VMT, FUEL AND MPG FORECAST

YEAR	VEH	VMT	VFC	MPG	YEAR	VEH	VMT	VFC	MPG
2001	24.01	311.1	17.04	18.26	2014	30.96	425.4	22.51	18.90
2002	24.66	318.5	17.44	18.27	2015	31.50	433.3	22.90	18.92
2003	25.02	328.3	17.94	18.30	2016	32.13	442.4	23.37	18.93
2004	25.60	338.6	18.45	18.35	2017	32.75	451.6	23.85	18.94
2005	26.13	348.3	18.85	18.47	2018	33.44	462.0	24.37	18.95
2006	26.67	357.8	19.29	18.55	2019	34.16	472.9	24.94	18.96
2007	27.19	366.7	19.70	18.62	2020	34.83	482.9	25.46	18.97
2008	27.76	376.3	20.15	18.67	2021	35.54	493.4	26.00	18.98
2009	28.34	385.8	20.61	18.72	2022	36.25	504.0	26.56	18.98
2010	28.93	395.2	21.06	18.77	2023	36.97	514.9	27.12	18.99
2011	29.44	403.1	21.43	18.81	2024	37.70	525.7	27.70	18.98
2012	29.94	410.4	21.78	18.85	2025	38.44	536.8	28.27	18.99
2013	30.44	417.7	22.13	18.88					

Figure-S2

PERCENT CHANGE BY DECADE IN ANNUAL VMT AND THE MAIN VARIABLES AFFECTING IT



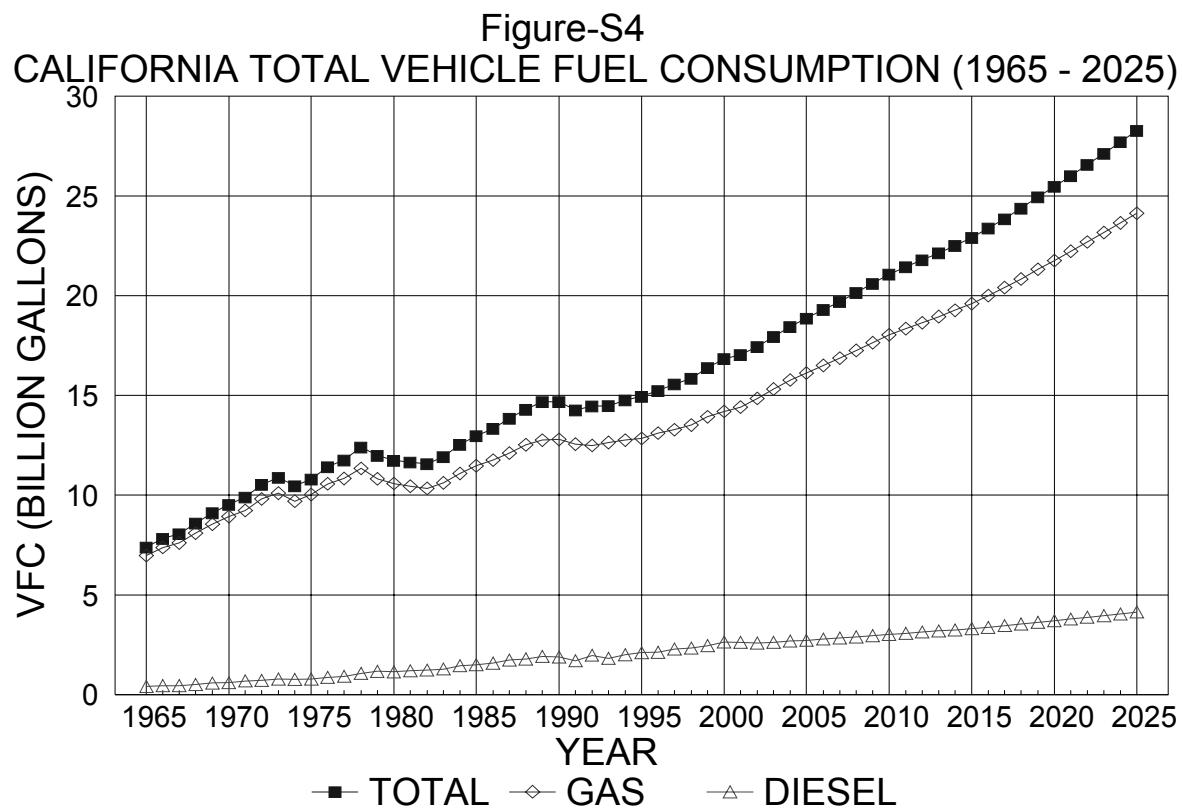
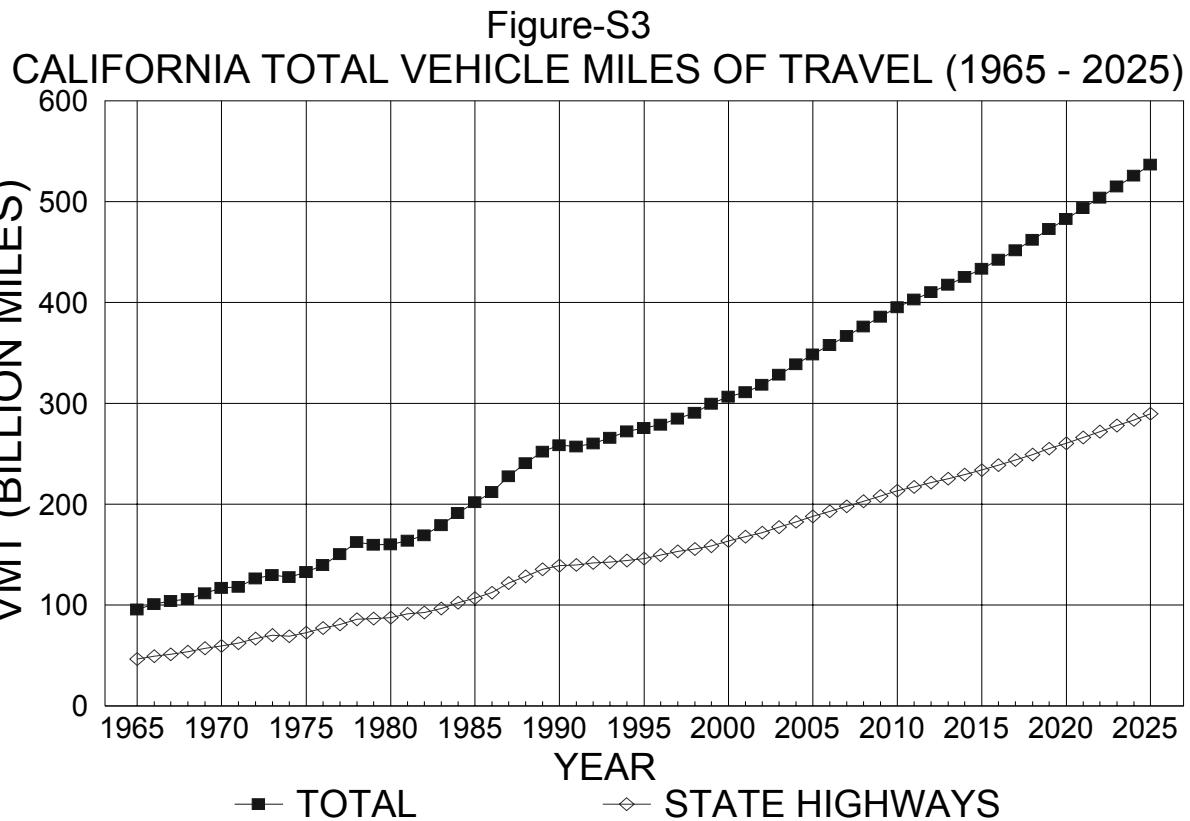
VMT: Vehicle Miles of Travel

POP: Population

IPP: Total Personal Income Per Person (67\$)

VPP: Vehicle Per Person

FCPM: Fuel Cost Per Miles (67\$)



II. INTRODUCTION

The California Department of Transportation utilizes estimates and forecasts of statewide vehicle miles of travel (VMT) and vehicle fuel consumption (VFC) for a number of planning and reporting purposes. For example, estimates of VMT are needed annually for the FHWA-mandated Highway Performance Monitoring System (HPMS) program, and as input to the California Highway Patrol annual reporting system. Intermediate and long-term forecasts of VMT and VFC are used for system planning, projections of revenues from excise taxes on fuels, and air quality and energy conservation programs. To ensure that the forecasts are produced with appropriate, consistent and state-of-the-art methodologies, the Division of Transportation System Information has developed the California Motor Vehicle Stock, Travel and Fuel Forecast (MVSTAFF) process which it updates on a continuous basis. The results of applying the process are reported in the MVSTAFF Report, which has been published annually since 1984, except for 1990.

The forecasts are based on socioeconomic data developed by the Office of Travel Forecasting and Analysis of the Division of Transportation System Information using the latest California Department of Finance population projections (Ref. 4 & 5) and economic projections from the DRI-WEFA Group (Ref. 7) and the UCLA Anderson Forecast (Ref.3). These forecasts are primarily intended for use at the statewide level. However, the statewide total VMT forecasts have been allocated down to the county level in response to numerous requests for data at a substate level for transportation and air quality modeling and analysis.

The remaining sections of the report follow the outline listed below:

- An overview of the MVSTAFF process.
- A brief description of the socioeconomic projections which drive the forecasting process.
- A brief description of the forecast results.
- An appendix gives the county VMT (Appendix B) and VFC (Appendix C) distribution based on statewide forecasts. The statewide VMTs are distributed to the 58 counties by State Highways and all "Other" public roads and the statewide VFCs are distributed to the 58 counties by gasoline fuel and diesel fuel.

III. MVSTAFF PROCESS OVERVIEW

The MVSTAFF process is a recursive procedure, which estimates, for each year of the forecast period, the following:

- The motor vehicle stock (average number of currently registered vehicles) by six body types, two fuel types, and 25 model years or age groups.
- The fuel economy of the total fleet and each model year fleet.
- The vehicle travel and fuel consumption for the total fleet and each model year fleet.

The process consists of four major parts, which are outlined in Figure-1 and briefly described below.

1. Inventories

- Base year estimates and future year projections of the socioeconomic variables which are assumed to be the causative factors for acquiring vehicles and generating travel; base year fuel consumption; and explicit assumptions about new vehicle fuel economy.
- The base year vehicle stock stratified by vehicle type and model year, and derived estimates of the on-road fuel economy of each stratum of vehicles in the base year fleet.

2. The Stratified Rate Model

- When applied to the base year inventory, this model estimates base year vehicle travel, fuel consumption and fuel economy for each vehicle type and the total fleet.
- When applied in the forecasting mode, the Stratified Rate Model first updates the composition and fuel economy of the fleet by one year and then estimates the next year's stratified fleet, vehicle travel, fuel consumption and fuel economy.
- Imbedded in the Stratified Rate Model are submodels which forecast the total number of vehicles by vehicle type, new vehicles, in-migration vehicles, and scrappage of old vehicles and the fuel economy of new vehicles under explicit socioeconomic assumptions.

3. The Statewide Aggregate VMT and VFC Model

- This model accepts the vehicle fleet fuel economy from the Stratified Rate Model and socioeconomic data from the inventory. It estimates next year's statewide total VMT and VFC without regard to vehicle body type. Because the Aggregate Model is more directly linked to socioeconomic variables, the VMT forecasts from the model are used as control totals for the forecast years.

4. A Comparison/Adjustment Model

- This model compares and adjusts the total VMT and VFC from the Stratified Rate Model to match that from the Aggregate Model. As part of the comparison/adjustment process, statewide total diesel fuel is forecasted with a Diesel Fuel Consumption Model, and gasoline fuel is computed as the difference between total fuel and diesel fuel. Following the comparison/adjustment step, future year VMT, VFC, and vehicle fuel economy (VFE) for each vehicle type are then calculated.

The above sequence produces the "next year" forecast. The process is then recursively applied to produce forecasts for each succeeding year in the forecast period.

Statewide VMT from the above process is distributed to the 58 counties and two major road systems (State Highways and all "Other" public roads) as follows:

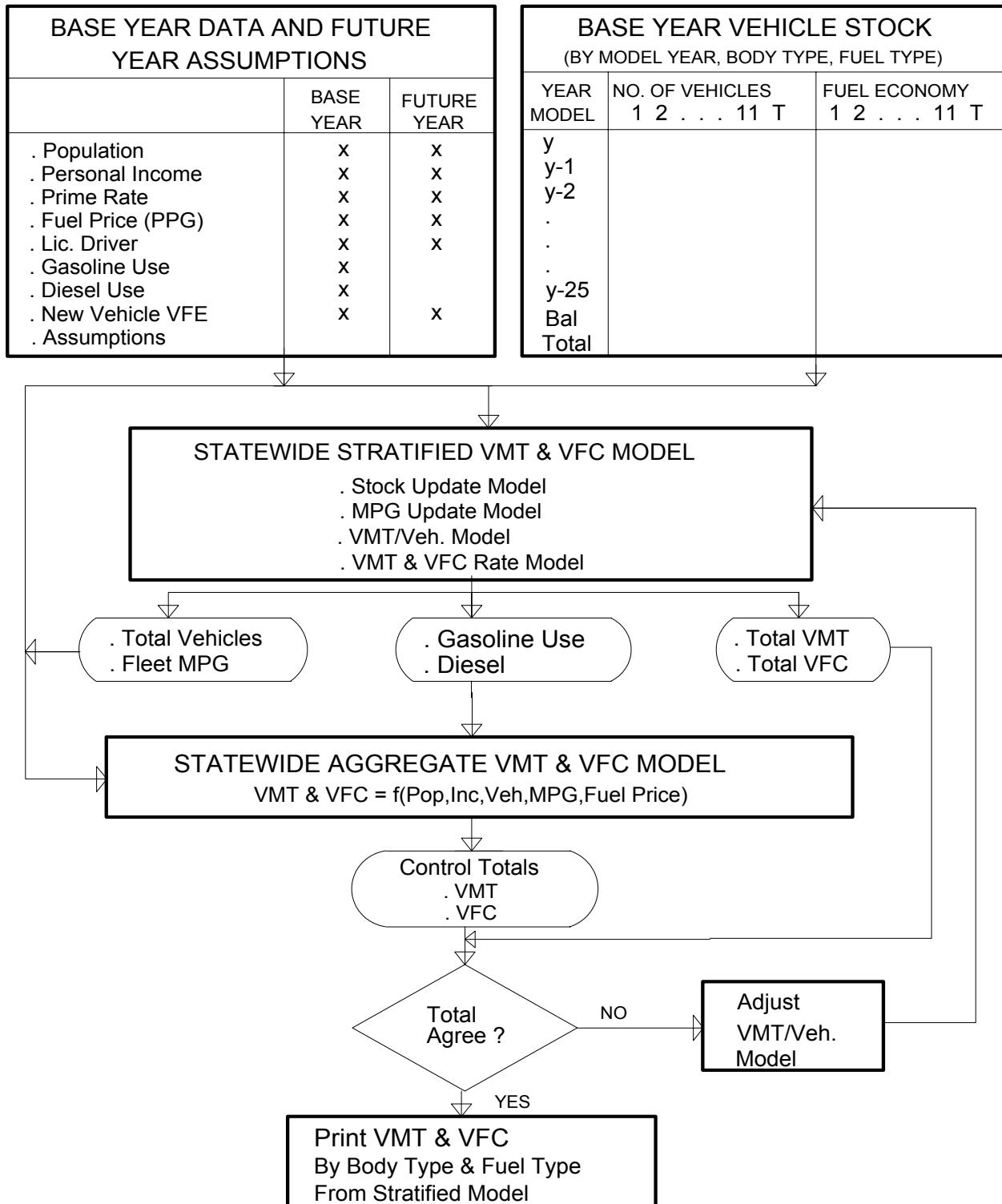
For the base year, county VMT on state highways is obtained directly from the Traffic Operations Program's annual Traffic Accident Surveillance and Analysis System (TASAS) file. County VMT on all other public roads, except that on the local road functional class, is estimated from the annual Highway Performance Monitoring System (HPMS) file. Local road VMT cannot be obtained from either TASAS or HPMS. Therefore, statewide local road VMT is calculated as the difference: statewide total VMT (MVSTAFF) minus state highway VMT (TASAS) and other road VMT (HPMS). Statewide local road VMT is then allocated to each county on the basis of the relative distribution of the quantity, "county automobile registrations times the proportion of local road mileage to the total system mileage".

For future years, the statewide VMT from MVSTAFF is distributed by applying county-specific, annualized growth rates to the base year county estimates described above. The county-specific growth rates are calculated from county population estimates recently published by the Department of Finance. The annualized rates are normalized so that the sum of counties' VMT equals the MVSTAFF statewide VMT.

Statewide VFC is distributed to the 58 counties and the two fuel types, gasoline and diesel, using estimates of county VMT, truck VMT and statewide estimates of vehicle fuel economy.

Figure-1

MOTOR VEHICLE STOCK, TRAVEL AND FUEL FORECASTING PROCESS



IV. FORECAST ASSUMPTIONS

As discussed in the previous section and shown in Figure-1, the MVSTAFF process requires base year estimates and future year projections of a number of socioeconomic variables; and explicit assumptions regarding the fuel economy of the vehicle fleet, by vehicle type. The assumptions made regarding the key variables, that drive the forecasting process, are briefly described below.

A. SOCIOECONOMIC ASSUMPTIONS

Base year (2001) estimates of population and the economic variables were obtained from the California Department of Finance (DOF), the state's official source of such information. Future year population was also obtained from DOF. Caltrans Division of Transportation System Information developed projections of the economic variables based on the information in the DRI-WEFA Group, "U.S. Economy, The 25-Year Focus, Spring Issue, 2002" (Ref. 7) and the "UCLA Anderson Forecast for the Nation and California, September 2002" (Ref. 3). These projections represent a "trend/moderate growth" scenario. The MVSTAFF forecasts, therefore, reflect the same scenario imposed on the DOF population projections and the existing legislation regarding current and future taxes on fuel.

The resulting projections, which were used in the forecast, are shown graphically and in tabular form in Figures 2 to 7. A brief discussion of each variable is given below.

1. Population

Population projections used for the years 2001-2025 were the latest data available from DOF (Ref. 4 & 5). These projections are shown in Figure-2. As can be seen, the state's population is projected to continue to increase. The rate increases from a high of 1.68 percent in 2001 and then continues to fall to a low of 1.18 percent in 2011. The rate of increase goes up slightly after 2015.

2. Inflation Assumptions: The U.S. Consumer Price Index

Projections of total personal income and motor vehicle fuel prices are normally made on a current dollar basis. Because the MVSTAFF process operates on a constant dollar basis, these need to be adjusted for inflation by dividing them by projections of the U.S. Consumer Price Index (U.S. CPI). The projections of the U.S. CPI to 2025 are shown in Figure-3.

It can be seen from Figure-3 that the CPI is projected to increase at an average rate of 3.00 percent per year throughout the forecast period.

3. Total Personal Income Per Person

Statewide total personal income per person (IPP) is an important variable in a number of forecasting models used in the MVSTAFF process. For example, it is a major

determinant of new car sales, vehicle ownership and annual miles of travel per person. The 2001 base year income per person was from the California Department of Finance, and the annual percentage growth rates for the future years were derived from the UCLA Anderson Forecast for the Nation and California, September 2002 (Ref. 3).

The forecast of statewide total personal income (TPI), in 1967 dollars, is shown in Figure-4, and the forecast of total personal income per person in Figure-5. As can be seen, total personal income is expected to drop 0.13 percent and total personal income per person is expected to decrease 1.78 percent respectively, in 2002. Total personal income is projected to increase at an annual average rate of 3.15 percent for the forecast period. The income per person growth rates follow a similar pattern but at a lower rate which average to an annual rate of about 1.71 percent.

4. Fuel Price

Fuel price is one of the most important variables in projecting future vehicle miles of travel and fuel consumption. This is because: (a) it directly and significantly determines the amount of vehicular travel, as shown in the development of the Statewide Aggregate VMT and VFC Model (Ref. 1); (b) over the past twenty years it has had the greatest variability of any of the socioeconomic variables used to forecast VMT and VFC; and (c) it influences the fuel economy of the new vehicle fleet which directly impacts fuel consumption.

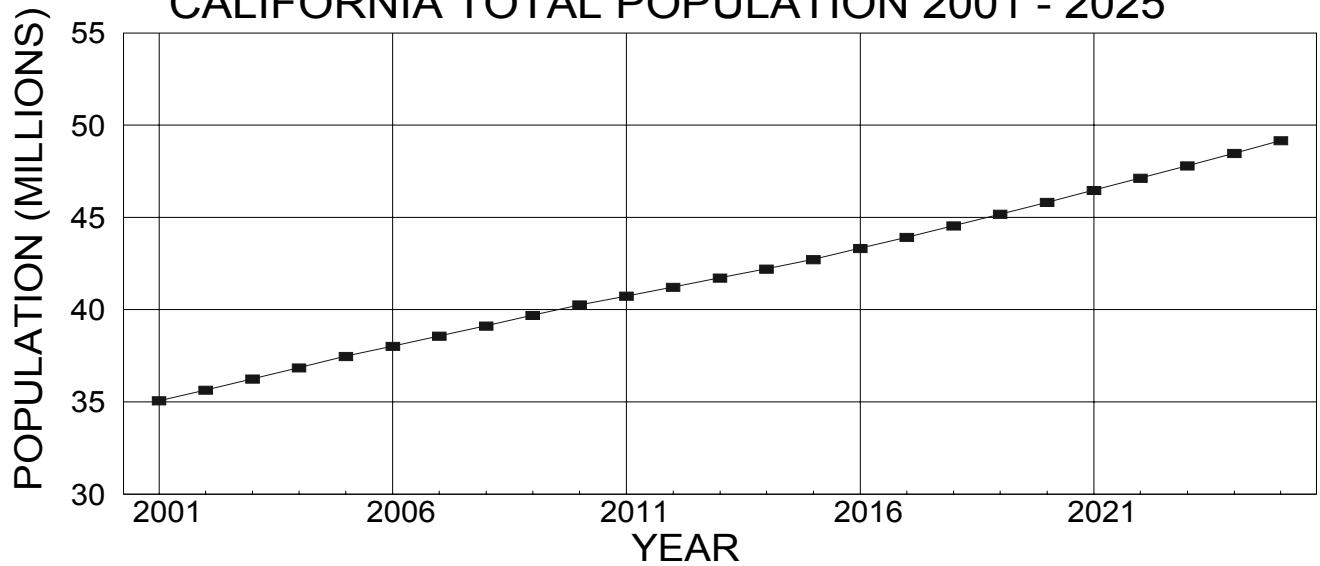
The fuel price variable used in the forecasting process is the price of gasoline, averaged over all grades, and full service and self service sales. The price includes all excise taxes but not sales taxes. Projected gasoline prices in constant 1967 dollars are given in Figure-6. They were estimated using the DRI-WEFA long-term gasoline price forecast.

Figure-6 shows the projected fuel prices in constant (1967) dollars. Fuel price is expected to continue to fall from year 2001 to 2011 and then increases slightly for the rest of the forecast period.

5. Prime Lending Rate

The prime lending rate is one of the variables used to estimate new vehicle sales, which is needed to annually update the vehicle fleet. The prime commercial bank rates for this year's forecast are given in Figure-7. The rate drops in 2002 to a low of 5 percent. It then increases in 2003 and 2004 to 8.5 percent. It is very stable and increases slightly for the rest of the forecast period.

Figure-2
CALIFORNIA TOTAL POPULATION 2001 - 2025

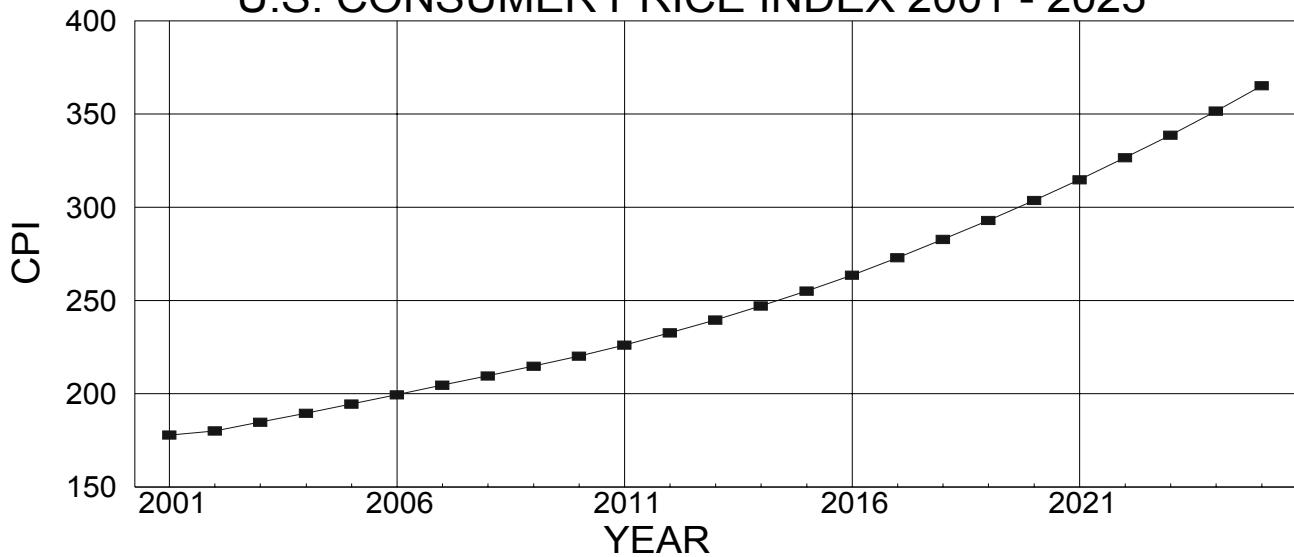


CALIFORNIA TOTAL POPULATION 2001-2025

Year	Population	%-CH
2001	35.059	
2002	35.648	1.679
2003	36.246	1.679
2004	36.855	1.679
2005	37.473	1.679
2006	38.015	1.446
2007	38.565	1.446
2008	39.123	1.446
2009	39.688	1.446
2010	40.262	1.446
2011	40.741	1.188
2012	41.225	1.188
2013	41.714	1.188
2014	42.210	1.188
2015	42.711	1.188
2016	43.316	1.416
2017	43.929	1.416
2018	44.551	1.416
2019	45.182	1.416
2020	45.822	1.416
2021	46.471	1.416
2022	47.129	1.416
2023	47.796	1.416
2024	48.473	1.416
2025	49.159	1.416

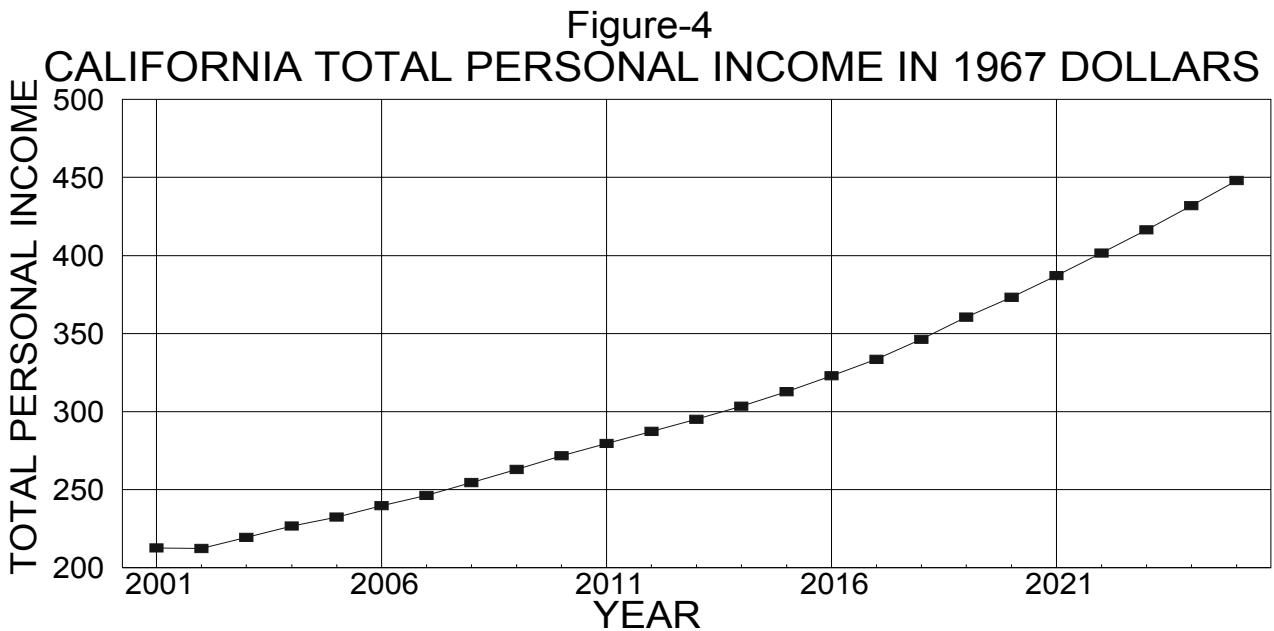
Population in Millions

Figure-3
U.S. CONSUMER PRICE INDEX 2001 - 2025



U.S. CONSUMER PRICE INDEX, 1982-1984=100

Year	CPI	%-CH
2001	177.8	□
2002	180.0	1.237
2003	184.7	2.611
2004	189.5	2.599
2005	194.5	2.639
2006	199.4	2.519
2007	204.6	2.608
2008	209.6	2.444
2009	214.8	2.481
2010	220.2	2.514
2011	226.1	2.679
2012	232.6	2.875
2013	239.6	3.009
2014	247.1	3.130
2015	255.0	3.197
2016	263.6	3.373
2017	272.9	3.528
2018	282.8	3.628
2019	293.0	3.607
2020	303.7	3.652
2021	314.8	3.655
2022	326.6	3.748
2023	338.8	3.735
2024	351.7	3.808
2025	365.2	3.838

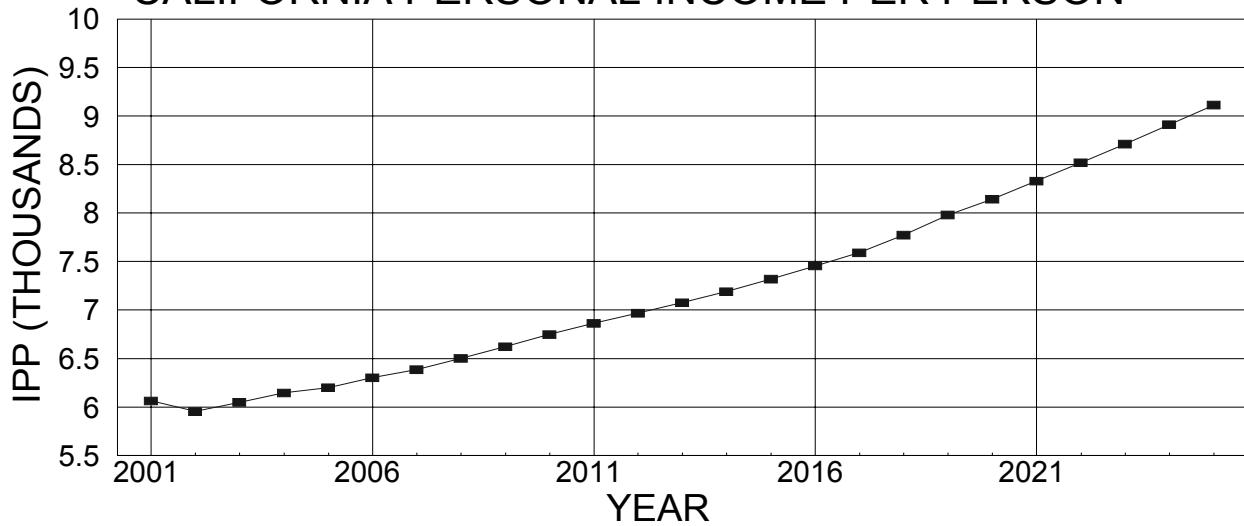


CALIFORNIA TOTAL PERSONAL INCOME

Year	TPI	%-CH
2001	212.607	□
2002	212.320	-0.135
2003	219.332	3.303
2004	226.575	3.303
2005	232.396	2.569
2006	239.674	3.131
2007	246.341	2.782
2008	254.461	3.296
2009	262.891	3.313
2010	271.734	3.364
2011	279.630	2.906
2012	287.349	2.760
2013	295.147	2.714
2014	303.542	2.845
2015	312.659	3.003
2016	323.012	3.311
2017	333.511	3.250
2018	346.342	3.847
2019	360.579	4.111
2020	373.190	3.497
2021	387.090	3.724
2022	401.507	3.724
2023	416.460	3.724
2024	431.971	3.724
2025	448.060	3.724

TPI in Billions (67\$)

Figure-5
CALIFORNIA PERSONAL INCOME PER PERSON

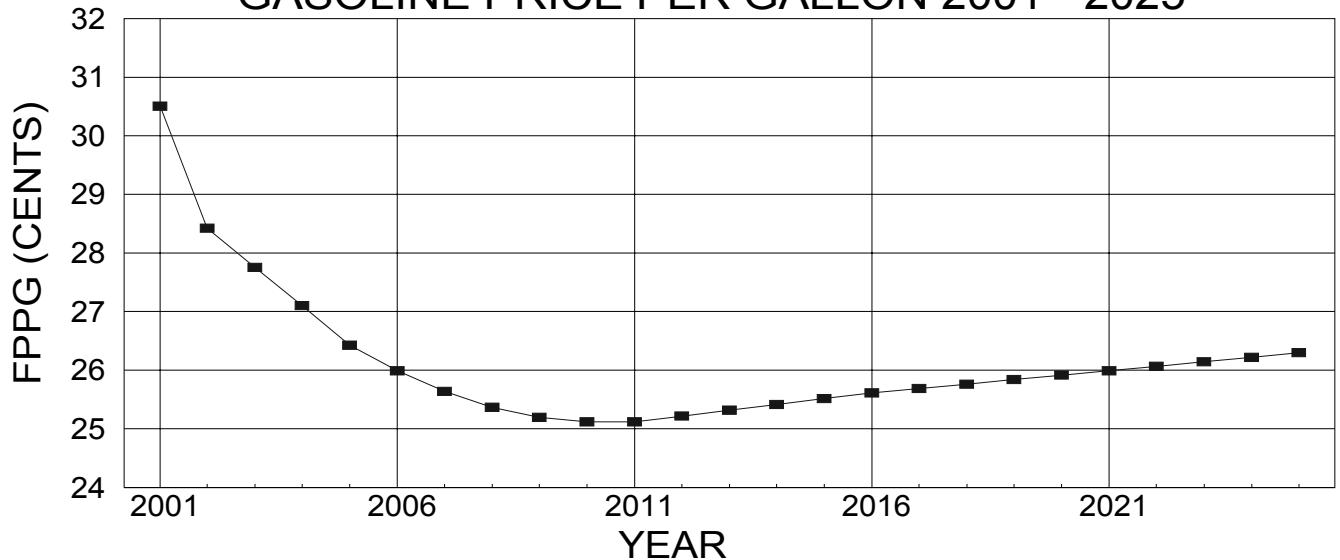


CALIFORNIA PERSONAL INCOME PER PERSON

Year	IPP	%-CH
2001	6.064	
2002	5.956	-1.784
2003	6.051	1.597
2004	6.148	1.597
2005	6.202	0.875
2006	6.305	1.661
2007	6.388	1.317
2008	6.504	1.824
2009	6.624	1.840
2010	6.749	1.891
2011	6.864	1.698
2012	6.970	1.554
2013	7.075	1.508
2014	7.191	1.637
2015	7.320	1.794
2016	7.457	1.869
2017	7.592	1.809
2018	7.774	2.397
2019	7.981	2.657
2020	8.144	2.052
2021	8.330	2.276
2022	8.519	2.276
2023	8.713	2.276
2024	8.912	2.276
2025	9.114	2.276

IPP in Thousands (67\$)

Figure-6
GASOLINE PRICE PER GALLON 2001 - 2025

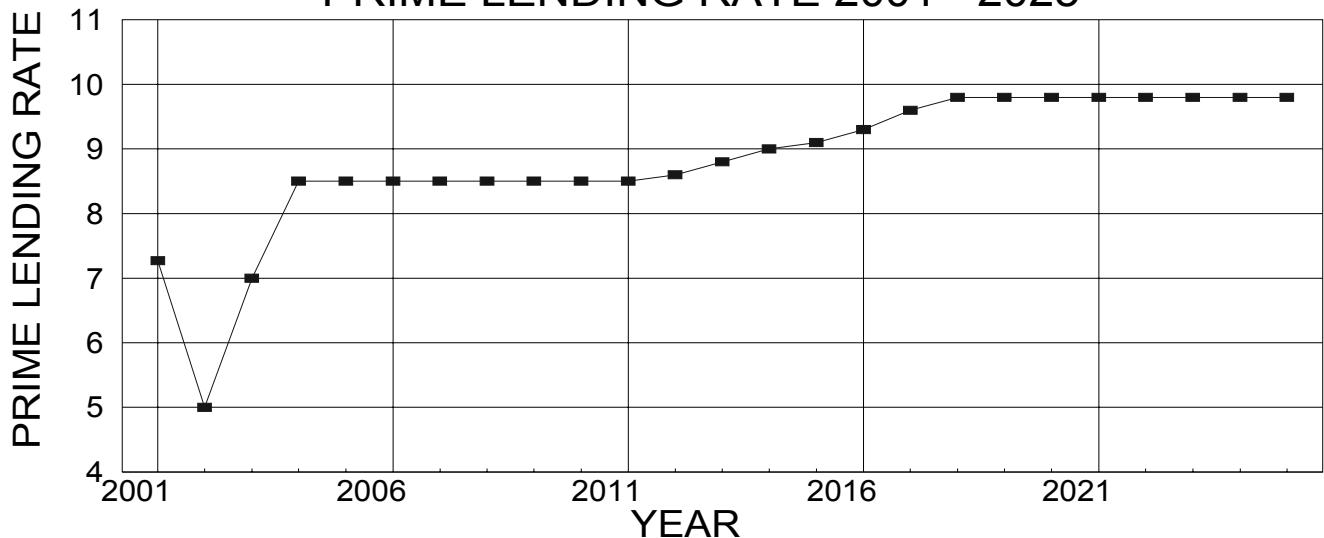


GASOLINE PRICE PER GALLON IN 1967 DOLLARS

Year	Price	%-CH
2001	30.503	□
2002	28.422	-6.823
2003	27.753	-2.353
2004	27.103	-2.342
2005	26.425	-2.502
2006	25.990	-1.646
2007	25.638	-1.355
2008	25.365	-1.065
2009	25.193	-0.678
2010	25.120	-0.291
2011	25.120	0.000
2012	25.217	0.389
2013	25.316	0.389
2014	25.414	0.390
2015	25.513	0.390
2016	25.613	0.390
2017	25.688	0.293
2018	25.763	0.293
2019	25.839	0.293
2020	25.915	0.293
2021	25.991	0.293
2022	26.067	0.293
2023	26.143	0.293
2024	26.220	0.293
2025	26.297	0.293

Price in Cents (67\$)

Figure-7
PRIME LENDING RATE 2001 - 2025



PRIME LENDING RATE 2001-2025

Year	Prime	%-CH
2001	7.270	
2002	5.000	-31.224
2003	7.000	40.000
2004	8.500	21.429
2005	8.500	0.000
2006	8.500	0.000
2007	8.500	0.000
2008	8.500	0.000
2009	8.500	0.000
2010	8.500	0.000
2011	8.500	0.000
2012	8.600	1.176
2013	8.800	2.326
2014	9.000	2.273
2015	9.100	1.111
2016	9.300	2.198
2017	9.600	3.226
2018	9.800	2.083
2019	9.800	0.000
2020	9.800	0.000
2021	9.800	0.000
2022	9.800	0.000
2023	9.800	0.000
2024	9.800	0.000
2025	9.800	0.000

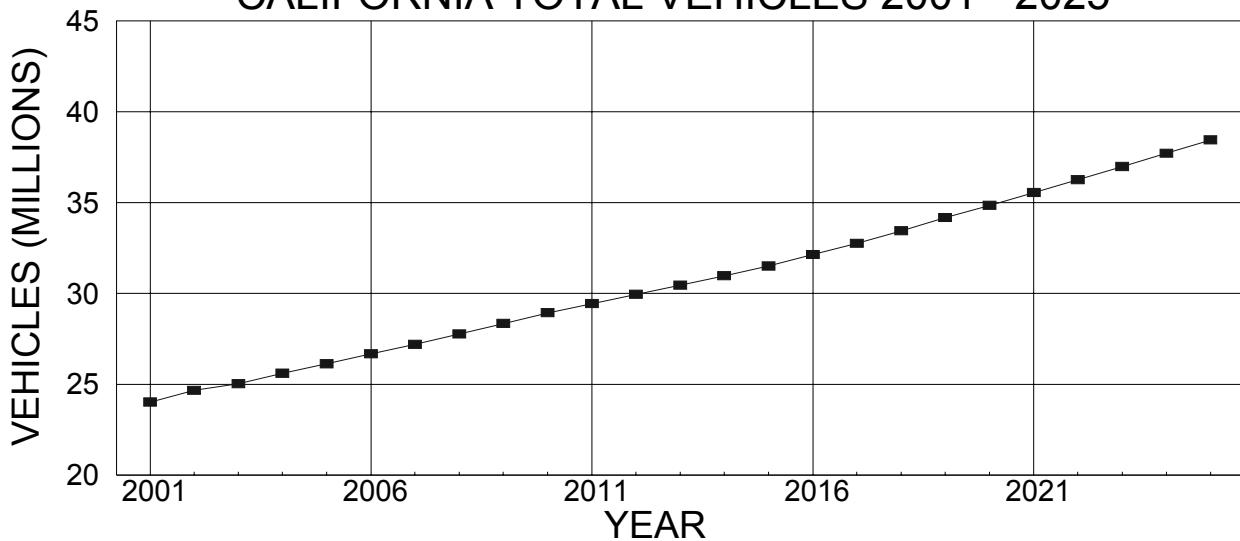
B. NEW VEHICLE FUEL ECONOMY

The MVSTAFF process requires explicit assumptions of the fuel economy of new vehicles entering the fleet each year. The recent update of the MPG model using the 1994 to 2001 Department of Motor Vehicles' vehicle population profile for California, and the EPA Gas Mileage Guides showed that the light duty vehicle fleets (autos and trucks of gross vehicle weight less than 10,000 pounds) meet the national Corporate Average Fuel Economy (CAFE) standards. Because of the fact that the CAFE standard has not been changed, it was assumed the new light duty fleets would continue to have the same fuel economy into the future.

For the medium truck fleets (gross vehicle weight from 10,001 to 33,000 lbs.) and heavy-duty truck fleets (gross vehicle weight greater than 33,000 lbs.), it was reasoned that the manufacturers and buyers are aware of the significance of the fuel operating cost to the trucking industry and that the long-term outlook is for higher fuel prices. Hence, there will be a continuous need and effort to improve truck fuel economy so that in the long run, fuel operating costs will not increase beyond current levels. Using the vehicle fuel economy values from the 1977, 1982, 1987, 1992 Truck Inventory and Use Survey (TIUS) Reports (Ref. 6) and the 1997 Vehicle Inventory and Use Survey (VIUS) Report (Ref. 8) an average annual fleet MPG improvement was calculated for each vehicle and fuel type. These rates of improvement were assumed to continue in the future.

Fuel economy of motorcycles was assumed to be a constant on-road value of 50.0 miles per gallon.

Figure-8
CALIFORNIA TOTAL VEHICLES 2001 - 2025



CALIFORNIA TOTAL VEHICLES 2001-2025

Year	Vehicles	%-CH
2001	24.008	
2002	24.662	2.724
2003	25.022	1.460
2004	25.600	2.310
2005	26.125	2.051
2006	26.667	2.075
2007	27.186	1.946
2008	27.757	2.100
2009	28.337	2.090
2010	28.929	2.089
2011	29.438	1.759
2012	29.940	1.705
2013	30.443	1.680
2014	30.962	1.705
2015	31.502	1.744
2016	32.126	1.981
2017	32.753	1.952
2018	33.440	2.098
2019	34.159	2.150
2020	34.834	1.976
2021	35.537	2.018
2022	36.249	2.004
2023	36.970	1.989
2024	37.701	1.977
2025	38.441	1.963

Vehicles in Millions

V. FORECAST RESULTS

A. Motor Vehicle Stock

The total vehicle figures used in this report are the average number of currently registered motor vehicles in operation in each calendar year. The estimates of the base year and the forecast years are provided in Figure-8. Values in the figure represent all vehicle body types (autos, trucks and motorcycles) and fuel types (gasoline and diesel).

Total vehicles are expected to increase by 2.72% in 2002. However, the long-term forecast is for vehicles to continue to increase, but at declining rates, as population growth slows down and vehicle ownership reaches saturation levels.

Total vehicles were stratified into body type, fuel type, and model year categories with the vehicle stock update model. Table-1 gives the forecasted number of vehicles in each body type and fuel type category for the years 2001 to 2015, 2020 and 2025.

Figure-9 graphically shows the estimates of total gasoline plus diesel vehicles, by body type, for the years 2001 to 2025. The plots correspond to the data given in the upper part of Table-1. Although motorcycles are not shown as a separate entry in the figure, they are included in the "Total" graph.

TABLE-1: CALIFORNIA TOTAL VEHICLES (MILLIONS)

VEH. TYPE	CAL. YEAR	AUTOS	BODY TYPE				TOTAL
			TRK1	TRK2	TRK3	TRK4	
T O T A L	2001	17.524	3.359	2.155	0.391	0.127	0.450 24.008
	2002	18.027	3.316	2.305	0.402	0.122	0.491 24.662
	2003	18.289	3.372	2.344	0.406	0.123	0.489 25.022
	2004	18.714	3.457	2.403	0.413	0.125	0.487 25.600
	2005	19.100	3.534	2.457	0.420	0.127	0.486 26.125
	2006	19.499	3.614	2.512	0.428	0.129	0.485 26.667
	2007	19.881	3.690	2.565	0.435	0.131	0.484 27.186
	2008	20.303	3.772	2.622	0.443	0.134	0.483 27.757
	2009	20.731	3.856	2.680	0.451	0.136	0.482 28.337
	2010	21.169	3.941	2.740	0.459	0.138	0.482 28.929
	2011	21.545	4.014	2.790	0.466	0.141	0.482 29.438
	2012	21.915	4.086	2.840	0.473	0.143	0.482 29.940
	2013	22.287	4.158	2.890	0.480	0.145	0.483 30.443
	2014	22.671	4.232	2.942	0.488	0.147	0.483 30.962
	2015	23.071	4.308	2.995	0.496	0.149	0.483 31.502
G A S O L	2020	25.542	4.778	3.321	0.545	0.163	0.484 34.834
	2025	28.220	5.283	3.673	0.600	0.179	0.485 38.441
	2001	17.378	3.344	1.967	0.147	0.001	0.450 23.288
	2002	17.880	3.302	2.097	0.148	0.001	0.491 23.919
	2003	18.157	3.359	2.133	0.146	0.001	0.489 24.286
G A S O L I N E	2004	18.594	3.446	2.189	0.147	0.001	0.487 24.863
	2005	18.990	3.524	2.239	0.147	0.001	0.486 25.388
	2006	19.398	3.605	2.291	0.148	0.001	0.485 25.927
	2007	19.788	3.682	2.341	0.149	0.001	0.484 26.445
	2008	20.216	3.765	2.396	0.151	0.001	0.483 27.011
	2009	20.650	3.849	2.451	0.153	0.001	0.482 27.587
	2010	21.093	3.935	2.507	0.155	0.001	0.482 28.173
	2011	21.473	4.009	2.555	0.157	0.001	0.482 28.677
	2012	21.847	4.081	2.603	0.159	0.001	0.482 29.174
	2013	22.222	4.153	2.650	0.161	0.001	0.483 29.671
	2014	22.609	4.228	2.699	0.163	0.001	0.483 30.183
	2015	23.011	4.305	2.749	0.166	0.001	0.483 30.715
	2020	25.486	4.775	3.052	0.183	0.001	0.484 33.982
	2025	28.163	5.282	3.377	0.202	0.002	0.485 37.511
D I E S E L	2001	0.146	0.016	0.188	0.244	0.126	0.000 0.720
	2002	0.147	0.014	0.207	0.253	0.121	0.000 0.742
	2003	0.132	0.012	0.210	0.259	0.122	0.000 0.736
	2004	0.120	0.011	0.214	0.267	0.124	0.000 0.737
	2005	0.110	0.010	0.218	0.273	0.126	0.000 0.737
	2006	0.101	0.009	0.221	0.280	0.128	0.000 0.739
	2007	0.093	0.008	0.223	0.286	0.130	0.000 0.741
	2008	0.087	0.007	0.226	0.292	0.133	0.000 0.745
	2009	0.081	0.007	0.229	0.298	0.135	0.000 0.750
	2010	0.076	0.006	0.232	0.304	0.137	0.000 0.756
	2011	0.072	0.005	0.235	0.310	0.139	0.000 0.761
	2012	0.068	0.005	0.237	0.315	0.141	0.000 0.766
	2013	0.065	0.004	0.240	0.320	0.143	0.000 0.772
	2014	0.062	0.004	0.243	0.325	0.145	0.000 0.779
	2015	0.060	0.004	0.246	0.330	0.148	0.000 0.787
	2020	0.056	0.002	0.269	0.362	0.162	0.000 0.852
	2025	0.057	0.002	0.295	0.398	0.178	0.000 0.930

Figure-9

CALIFORNIA TOTAL VEHICLES BY BODY TYPE

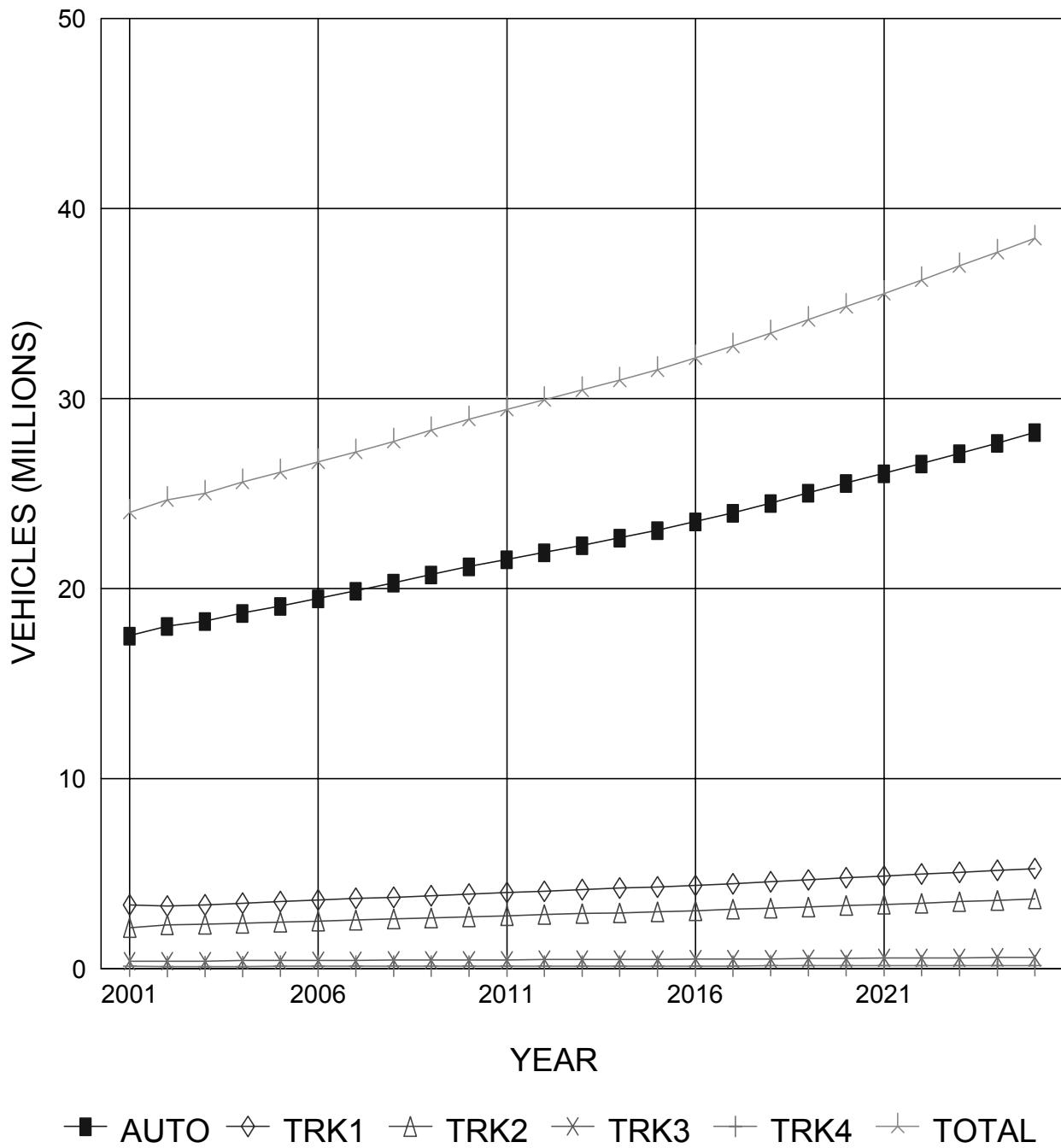
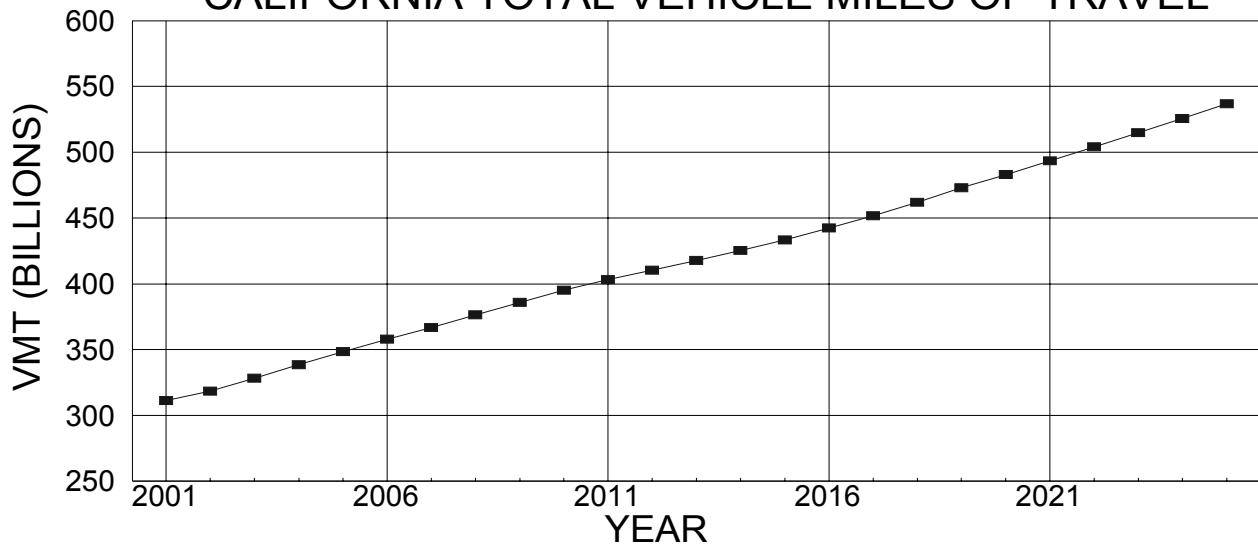


Figure-10
CALIFORNIA TOTAL VEHICLE MILES OF TRAVEL



CALIFORNIA TOTAL VEHICLE MILES OF TRAVEL

Year	VMT	%-CH
2001	311.090	□
2002	318.466	2.371
2003	328.340	3.100
2004	338.552	3.110
2005	348.275	2.872
2006	357.834	2.745
2007	366.705	2.479
2008	376.331	2.625
2009	385.818	2.521
2010	395.171	2.424
2011	403.054	1.995
2012	410.410	1.825
2013	417.748	1.788
2014	425.366	1.824
2015	433.297	1.865
2016	442.437	2.109
2017	451.630	2.078
2018	461.990	2.294
2019	472.884	2.358
2020	482.903	2.119
2021	493.432	2.180
2022	504.047	2.151
2023	514.863	2.146
2024	525.711	2.107
2025	536.798	2.109

VMT in Billion Miles

B. Vehicle Miles of Travel

Statewide total vehicle miles of travel projected by the forecast are given in Figure-10. The values in the figure represent travel by all vehicle body types and fuel types on all public roads.

The 2001 vehicle miles of travel (VMT) estimate of 311.090 is based on the 2001 on-road fuel consumption estimate from the Board of Equalization's sales data, and the 2001 on-road vehicle fleet fuel economy from the MVSTAFF Stratified Rate Model. Annual statewide VMT is expected to increase 2.4 percent in 2002 and 3.1 percent in 2003. The long-term forecast is for VMT to continue to grow, but at significantly lower rates than it has in the past. The slow down is predicated on lower statewide population and economic growth. For air quality conformity analysis purposes the annual VMT in 5-year increments from 1990 are listed in Table-1.1.

Forecasts of statewide total VMT stratified by six body types and two fuel types are given in Table-2. Graphs of VMT by body type are given in Figure-11. The graphs correspond to the data in the upper part of Table-2. Although VMT by motorcycles is not shown as a separate entry in the figure, it is included in the "Total VMT" graph.

Table-1.1

Total Statewide VMT and Five-year Percent Change

YEAR	VMT	%-CH
1990	259.003	
1995	276.968	6.936
2000	306.371	10.616
2005	348.275	13.677
2010	395.171	13.465
2015	433.297	9.648
2020	482.903	11.448
2025	536.798	11.160

VMT in Billion Miles

Table-2 CALIFORNIA TOTAL VEHICLE MILES OF TRAVEL (BILLIONS)

VEH. TYPE	CAL. YEAR	AUTOS	BODY TYPE					TOTAL
			TRK1	TRK2	TRK3	TRK4	M.C.	
T O T A L	2001	223.531	40.527	27.813	10.237	7.991	0.991	311.090
	2002	228.832	39.778	30.780	10.339	7.657	1.080	318.466
	2003	235.376	40.782	32.746	10.512	7.847	1.076	328.340
	2004	242.455	42.086	34.061	10.773	8.105	1.072	338.552
	2005	249.320	43.345	35.236	10.984	8.321	1.068	348.275
	2006	256.069	44.545	36.355	11.230	8.570	1.066	357.834
	2007	262.275	45.730	37.382	11.448	8.807	1.064	366.705
	2008	269.058	47.012	38.415	11.704	9.080	1.062	376.331
	2009	275.762	48.281	39.385	11.966	9.362	1.061	385.818
	2010	282.381	49.538	40.304	12.233	9.655	1.061	395.171
	2011	287.945	50.626	41.057	12.450	9.915	1.061	403.054
	2012	293.130	51.651	41.735	12.658	10.175	1.061	410.410
	2013	298.319	52.664	42.398	12.869	10.437	1.062	417.748
	2014	303.733	53.695	43.079	13.093	10.703	1.062	425.366
G A S O L I N E	2015	309.389	54.748	43.784	13.334	10.979	1.063	433.297
	2020	345.181	60.878	48.230	14.960	12.590	1.065	482.903
	2025	384.392	67.128	53.107	16.924	14.179	1.068	536.798
	2001	222.217	40.449	25.234	1.816	0.011	0.991	290.716
	2002	227.482	39.711	27.869	1.800	0.015	1.080	297.956
	2003	234.159	40.730	29.717	1.849	0.016	1.076	307.547
	2004	241.352	42.046	30.986	1.917	0.018	1.072	317.391
	2005	248.306	43.313	32.118	1.975	0.019	1.068	326.800
	2006	255.127	44.520	33.191	2.041	0.021	1.066	335.966
	2007	261.395	45.710	34.174	2.104	0.022	1.064	344.470
	2008	268.226	46.995	35.158	2.175	0.024	1.062	353.639
	2009	274.969	48.267	36.079	2.247	0.025	1.061	362.648
	2010	281.620	49.525	36.949	2.321	0.027	1.061	371.503
	2011	287.212	50.615	37.664	2.386	0.028	1.061	378.966
	2012	292.421	51.641	38.307	2.449	0.029	1.061	385.909
	2013	297.628	52.654	38.934	2.512	0.030	1.062	392.820
	2014	303.055	53.687	39.575	2.575	0.031	1.062	399.985
	2015	308.719	54.740	40.235	2.642	0.033	1.063	407.431
D I E S E L	2020	344.501	60.872	44.358	3.032	0.038	1.065	453.866
	2025	383.667	67.123	48.856	3.445	0.042	1.068	504.201
	2001	1.314	0.078	2.580	8.421	7.981	0.000	20.374
	2002	1.350	0.066	2.911	8.539	7.642	0.000	20.509
	2003	1.218	0.052	3.028	8.663	7.831	0.000	20.792
	2004	1.103	0.040	3.074	8.856	8.087	0.000	21.160
	2005	1.014	0.031	3.119	9.009	8.302	0.000	21.475
	2006	0.942	0.025	3.164	9.188	8.549	0.000	21.868
	2007	0.880	0.020	3.208	9.344	8.784	0.000	22.235
	2008	0.832	0.017	3.257	9.529	9.056	0.000	22.692
	2009	0.793	0.015	3.306	9.719	9.337	0.000	23.170
	2010	0.761	0.013	3.355	9.912	9.628	0.000	23.669
	2011	0.733	0.012	3.393	10.063	9.887	0.000	24.088
	2012	0.709	0.011	3.428	10.209	10.145	0.000	24.502
	2013	0.691	0.010	3.464	10.357	10.406	0.000	24.928
	2014	0.678	0.009	3.504	10.518	10.672	0.000	25.381
	2015	0.670	0.008	3.549	10.693	10.946	0.000	25.865
	2020	0.679	0.006	3.872	11.927	12.552	0.000	29.037
	2025	0.725	0.005	4.252	13.479	14.137	0.000	32.597

Figure-11

CALIFORNIA VEHICLE MILES OF TRAVEL BY BODY TYPE

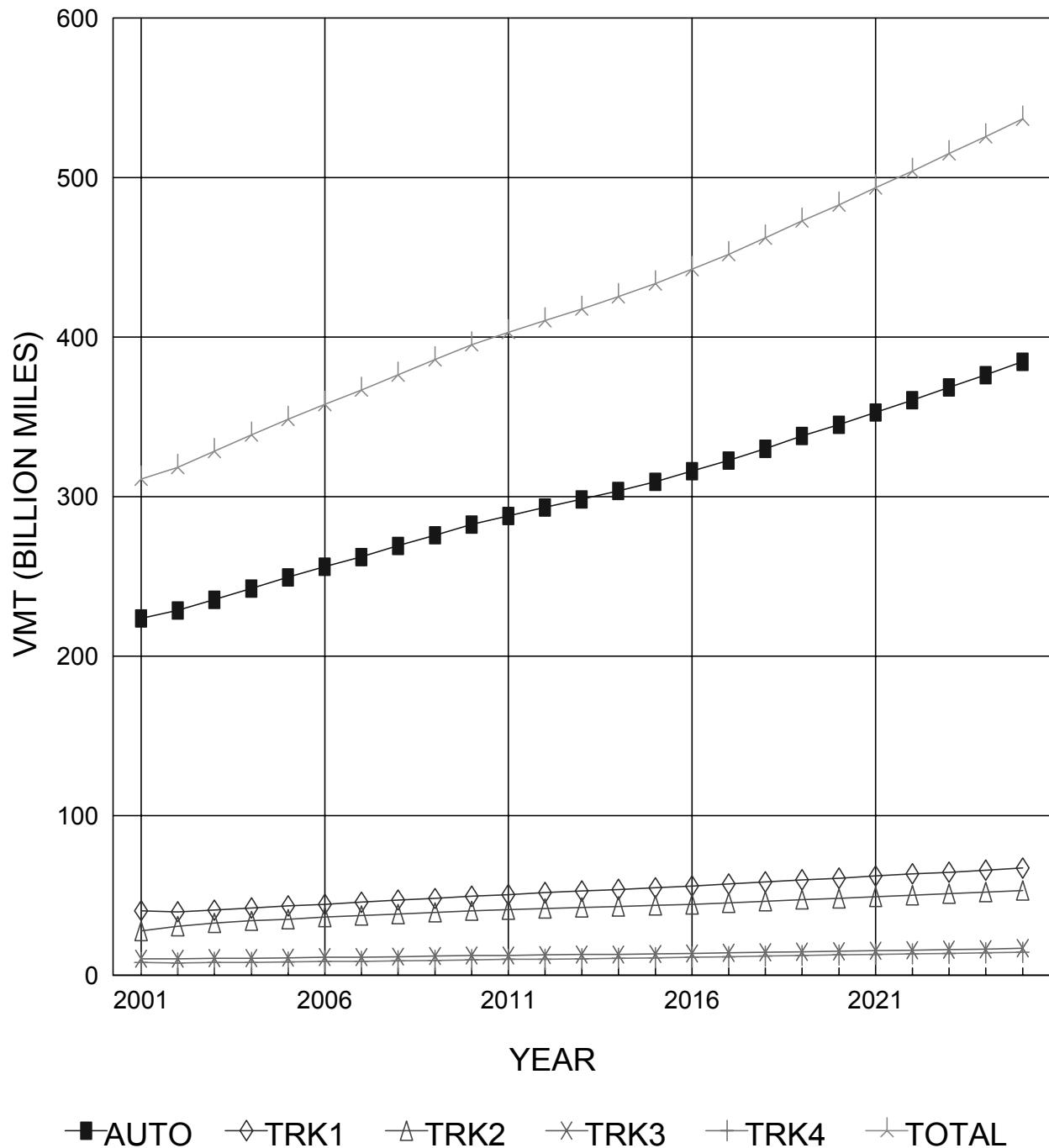
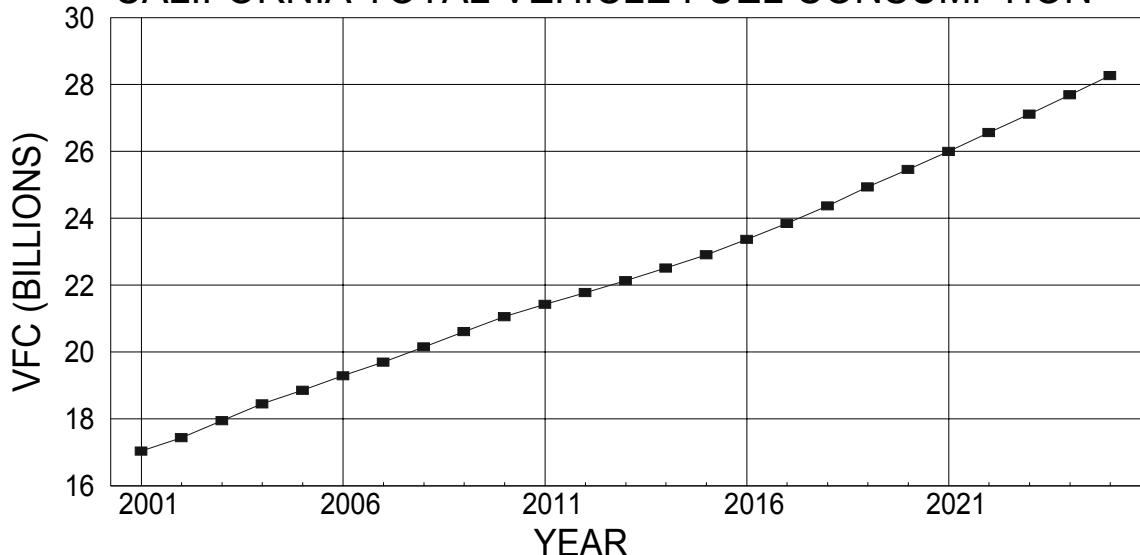


Figure-12
CALIFORNIA TOTAL VEHICLE FUEL CONSUMPTION



CALIFORNIA TOTAL VEHICLE FUEL CONSUMPTION

Year	VFC	%-CH
2001	17.035	
2002	17.436	2.354
2003	17.944	2.914
2004	18.446	2.798
2005	18.853	2.206
2006	19.288	2.307
2007	19.699	2.131
2008	20.154	2.310
2009	20.605	2.238
2010	21.057	2.194
2011	21.428	1.762
2012	21.778	1.633
2013	22.132	1.625
2014	22.509	1.703
2015	22.904	1.755
2016	23.368	2.026
2017	23.846	2.046
2018	24.374	2.214
2019	24.943	2.334
2020	25.460	2.073
2021	26.001	2.125
2022	26.560	2.150
2023	27.118	2.101
2024	27.696	2.131
2025	28.267	2.062

VFC in Billion Gallons

C. Vehicle Fuel Consumption

Statewide total on-road fuel consumption projected by the forecast is given in Figure-12. The values represent total gasoline and diesel fuel used on all public roads. The base year (2001) values are estimates using Board of Equalization data. Forecasts beyond 2001 use the MVSTAFF process with the 2001 estimate as a base.

As can be seen from Figure-12, on-road fuel consumption is expected to increase 2.35% in 2002. Annual fuel consumption by vehicle type and fuel type for each year of the forecast is given in Table-3. Total fuel consumption is expected to increase for autos and all types of trucks. Diesel fuel consumption for autos and light trucks are decreasing because the numbers of these total vehicles are projected to decrease.

Figure-13 graphs the annual total fuel consumption of the vehicle fleet by body type for years 2001 to 2025. The graphs correspond to the data given in the upper part of Table-3. Although motorcycle fuel consumption is not shown as a separate entry in the figure, it is included in the "Total" graph.

Table-3: CALIFORNIA TOTAL VEHICLE FUEL CONSUMPTION (BILLIONS)

VEH. TYPE	CAL. YEAR	AUTOS	BODY TYPE				M.C.	TOTAL
			TRK1	TRK2	TRK3	TRK4		
T O T A L	2001	10.198	2.178	1.953	1.307	1.379	0.020	17.035
	2002	10.504	2.146	2.136	1.315	1.313	0.022	17.436
	2003	10.793	2.202	2.255	1.333	1.339	0.022	17.944
	2004	11.081	2.273	2.332	1.363	1.375	0.021	18.446
	2005	11.305	2.334	2.400	1.387	1.405	0.021	18.853
	2006	11.551	2.391	2.468	1.416	1.440	0.021	19.288
	2007	11.785	2.448	2.530	1.442	1.473	0.021	19.699
	2008	12.045	2.509	2.595	1.472	1.511	0.021	20.154
	2009	12.303	2.571	2.656	1.503	1.552	0.021	20.605
	2010	12.559	2.632	2.714	1.536	1.594	0.021	21.057
	2011	12.768	2.684	2.763	1.562	1.630	0.021	21.428
	2012	12.963	2.734	2.807	1.588	1.666	0.021	21.778
	2013	13.163	2.783	2.850	1.613	1.702	0.021	22.132
	2014	13.378	2.834	2.895	1.641	1.740	0.021	22.509
G A S O L I N E	2015	13.609	2.885	2.941	1.671	1.777	0.021	22.904
	2020	15.125	3.194	3.239	1.873	2.008	0.021	25.460
	2025	16.812	3.517	3.566	2.117	2.233	0.021	28.267
	2001	10.150	2.175	1.809	0.253	0.002	0.020	14.408
	2002	10.456	2.143	1.973	0.250	0.003	0.022	14.845
	2003	10.749	2.200	2.084	0.256	0.003	0.022	15.313
	2004	11.041	2.271	2.158	0.264	0.003	0.021	15.760
	2005	11.269	2.333	2.223	0.272	0.003	0.021	16.122
	2006	11.518	2.390	2.288	0.281	0.004	0.021	16.502
	2007	11.754	2.447	2.347	0.289	0.004	0.021	16.862
	2008	12.016	2.509	2.409	0.298	0.004	0.021	17.257
	2009	12.275	2.570	2.467	0.308	0.004	0.021	17.646
	2010	12.533	2.632	2.523	0.318	0.005	0.021	18.031
	2011	12.741	2.684	2.569	0.327	0.005	0.021	18.347
	2012	12.937	2.733	2.611	0.335	0.005	0.021	18.642
	2013	13.138	2.783	2.652	0.343	0.005	0.021	18.943
D I E S E L	2014	13.355	2.834	2.694	0.352	0.005	0.021	19.261
	2015	13.585	2.885	2.739	0.361	0.006	0.021	19.596
	2020	15.102	3.193	3.018	0.414	0.006	0.021	21.754
	2025	16.787	3.517	3.323	0.470	0.007	0.021	24.125
	2001	0.048	0.003	0.144	1.055	1.377	0.000	2.627
	2002	0.049	0.003	0.164	1.065	1.311	0.000	2.591
	2003	0.044	0.002	0.171	1.077	1.336	0.000	2.631
	2004	0.040	0.002	0.174	1.099	1.372	0.000	2.686
	2005	0.036	0.001	0.177	1.115	1.401	0.000	2.731
	2006	0.034	0.001	0.180	1.135	1.436	0.000	2.786
	2007	0.031	0.001	0.183	1.153	1.469	0.000	2.837
	2008	0.029	0.001	0.186	1.174	1.507	0.000	2.897
	2009	0.028	0.001	0.189	1.195	1.547	0.000	2.960
	2010	0.027	0.001	0.192	1.218	1.589	0.000	3.026
	2011	0.026	0.000	0.194	1.236	1.625	0.000	3.082
	2012	0.026	0.000	0.196	1.253	1.661	0.000	3.135
	2013	0.024	0.000	0.198	1.270	1.697	0.000	3.189
	2014	0.024	0.000	0.200	1.290	1.734	0.000	3.248
	2015	0.024	0.000	0.203	1.310	1.772	0.000	3.309
	2020	0.024	0.000	0.221	1.459	2.001	0.000	3.706
	2025	0.026	0.000	0.243	1.647	2.226	0.000	4.142

Figure-13

CALIFORNIA VEHICLE FUEL CONSUMPTION BY BODY TYPE

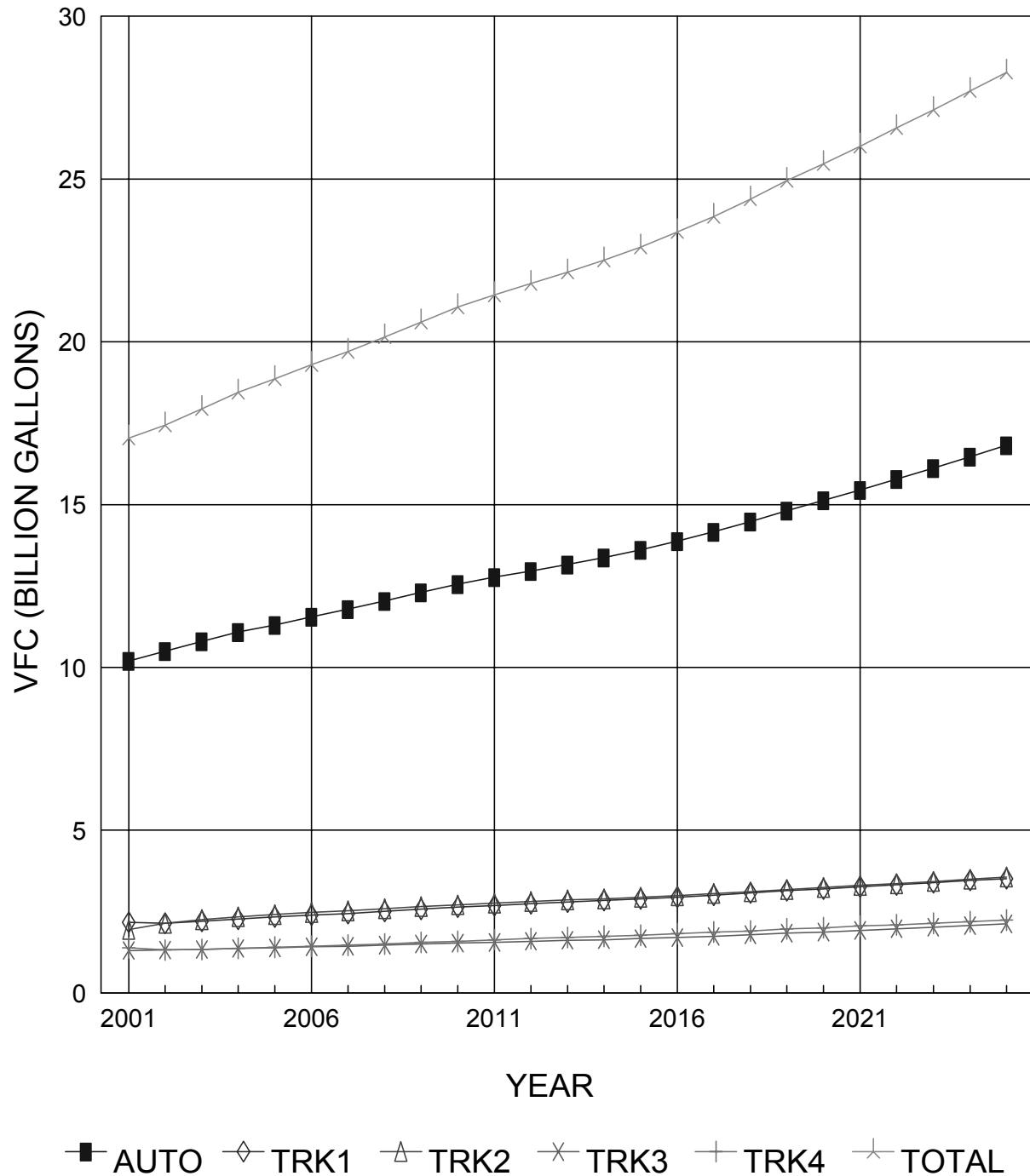
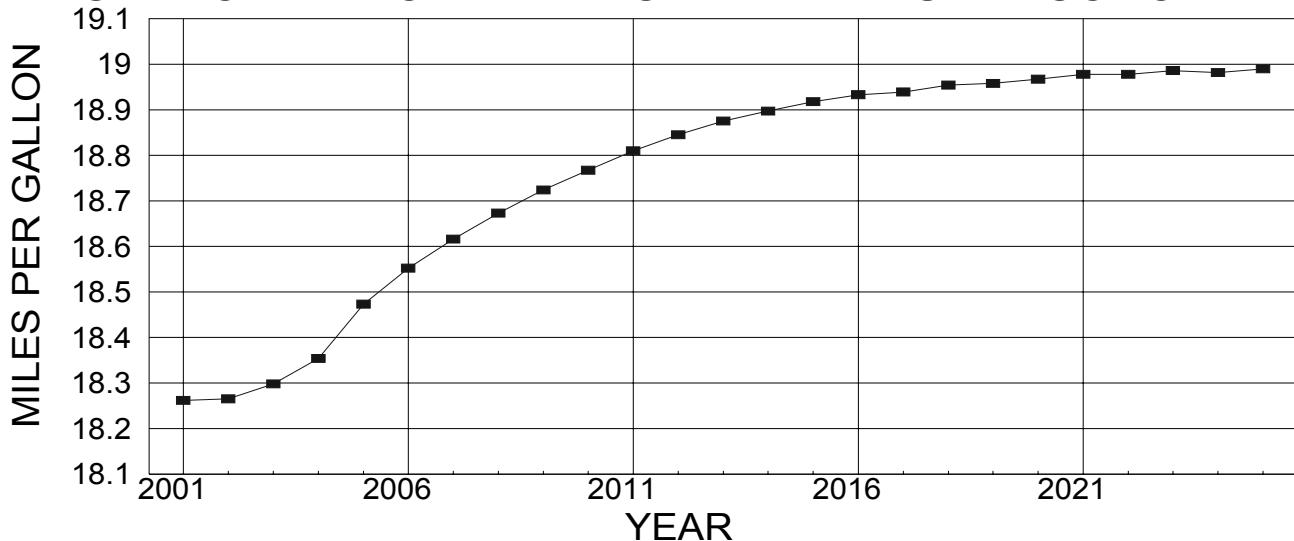


Figure-14
CALIFORNIA TOTAL VEHICLE FLEET FUEL ECONOMY



CALIFORNIA TOTAL VEHICLE FLEET FUEL ECONOMY

Year	MPG	%-CH
2001	18.262	□
2002	18.265	0.016
2003	18.298	0.181
2004	18.354	0.306
2005	18.473	0.648
2006	18.552	0.428
2007	18.616	0.345
2008	18.673	0.306
2009	18.724	0.273
2010	18.767	0.230
2011	18.810	0.229
2012	18.845	0.186
2013	18.875	0.159
2014	18.897	0.117
2015	18.918	0.111
2016	18.933	0.079
2017	18.939	0.032
2018	18.954	0.079
2019	18.958	0.021
2020	18.967	0.047
2021	18.978	0.058
2022	18.978	0.000
2023	18.986	0.042
2024	18.982	-0.021
2025	18.990	0.042

MPG: Miles Per Gallon

D. Vehicle Fuel Economy

Forecasts of the total fleet on-road fuel economy are given in Figure-14. The results are a direct output of the Stratified Rate Model which computes the harmonic average fuel economy by weighting the number of vehicles in each stratum by the annual miles of travel and fuel economy of that stratum.

As can be seen from Figure-14, total fleet fuel economy is expected to improve slightly throughout the forecast period. This is the result of the assumption that the new car fleet fuel economy will remain at 27.5 miles per gallon, replacing the older and lower fuel efficiency vehicles.

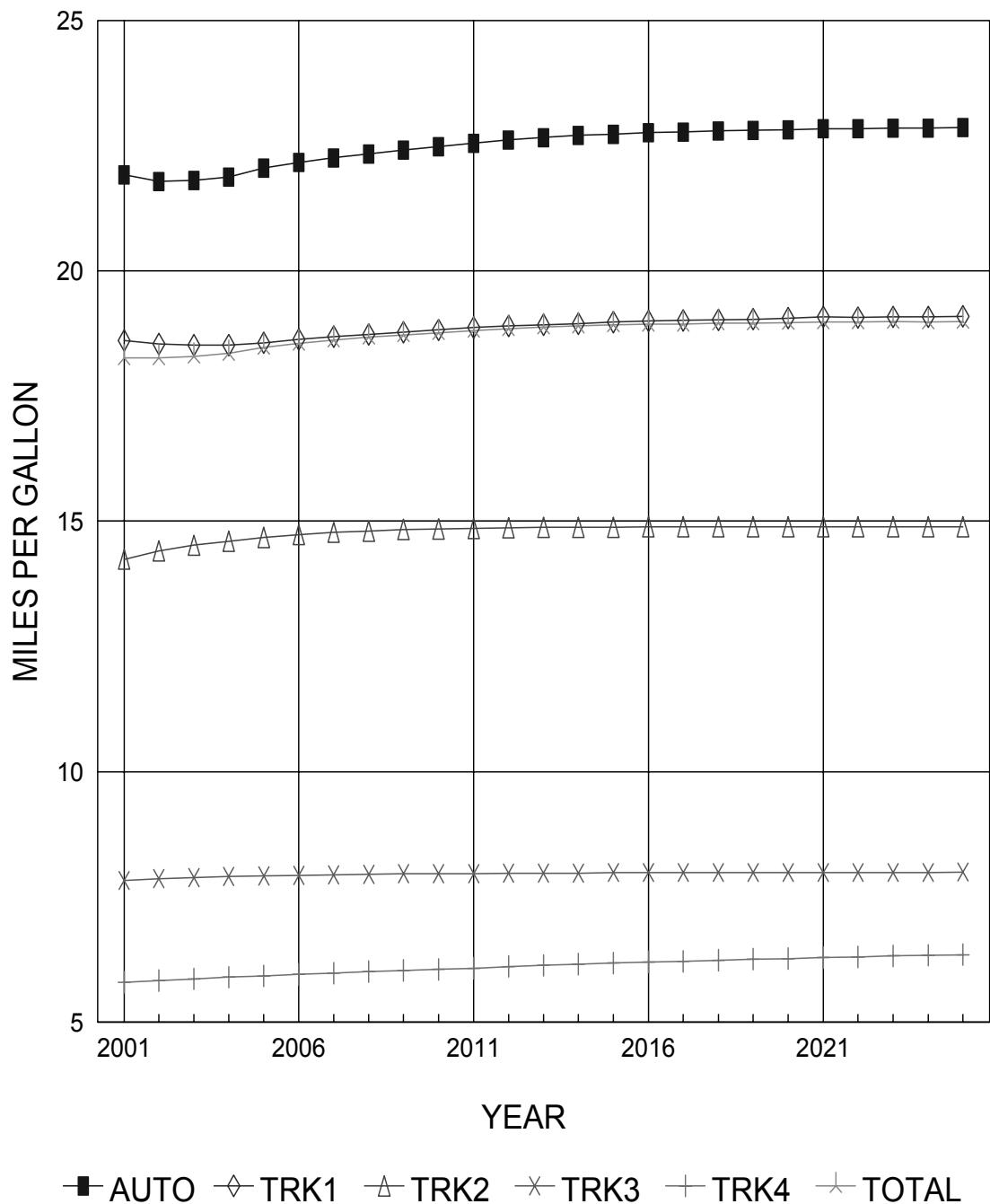
Fuel economies of the fleet, stratified by body type and fuel type for each year of the forecast, are given in Table-4. Vehicle fuel economy is projected to continuously improve for all strata of vehicles. The greatest improvements are being projected for the heavy trucks. Fuel economy of year 2025 automobile fleet will be slightly (4.31 percent) better than it was in 2001; while the total vehicle fleet fuel economy will be only 3.99 percent better than it was in 2001.

Figure-15 graphs the fuel economy of the vehicle fleet stratified by body type for the years 2001 to 2025. The graphs correspond to the data given in the upper part of Table-4. Although the fuel economy of motorcycles (assumed to be a constant value of 50.0 miles per gallon) is not shown in the figure, its effect is included in the "Total" graph.

Table-4: CALIFORNIA TOTAL VEHICLE FLEET FUEL ECONOMY

VEH. CAL. TYPE YEAR	AUTOS	TRK1	BODY TYPE TRK2	TRK3	TRK4	M.C.	TOTAL	
T O T A L	2001	21.919	18.608	14.241	7.830	5.795	50.000	18.262
	2002	21.784	18.538	14.408	7.863	5.830	50.000	18.265
	2003	21.808	18.516	14.521	7.886	5.859	50.000	18.298
	2004	21.880	18.515	14.604	7.903	5.894	50.000	18.354
	2005	22.053	18.567	14.683	7.919	5.924	50.000	18.473
	2006	22.168	18.627	14.731	7.930	5.954	50.000	18.552
	2007	22.255	18.682	14.776	7.941	5.978	50.000	18.616
	2008	22.337	18.735	14.805	7.950	6.008	50.000	18.673
	2009	22.415	18.779	14.831	7.961	6.033	50.000	18.724
	2010	22.484	18.819	14.849	7.965	6.058	50.000	18.767
	2011	22.553	18.861	14.861	7.969	6.082	50.000	18.810
	2012	22.614	18.895	14.869	7.973	6.107	50.000	18.845
	2013	22.664	18.923	14.876	7.978	6.132	50.000	18.875
	2014	22.703	18.947	14.883	7.977	6.152	50.000	18.897
	2015	22.735	18.977	14.885	7.982	6.177	50.000	18.918
	2020	22.821	19.062	14.890	7.989	6.271	50.000	18.967
	2025	22.864	19.087	14.891	7.993	6.350	50.000	18.990
G A S O L I N E	2001	21.893	18.601	13.951	7.186	5.712	50.000	20.178
	2002	21.757	18.532	14.128	7.210	5.730	50.000	20.071
	2003	21.784	18.511	14.260	7.228	5.744	50.000	20.083
	2004	21.859	18.511	14.359	7.247	5.757	50.000	20.140
	2005	22.034	18.565	14.450	7.259	5.767	50.000	20.271
	2006	22.151	18.624	14.508	7.271	5.777	50.000	20.359
	2007	22.240	18.680	14.560	7.284	5.786	50.000	20.429
	2008	22.322	18.733	14.595	7.290	5.795	50.000	20.492
	2009	22.401	18.778	14.625	7.302	5.799	50.000	20.552
	2010	22.471	18.817	14.646	7.308	5.804	50.000	20.604
	2011	22.542	18.860	14.662	7.308	5.814	50.000	20.656
	2012	22.603	18.894	14.672	7.314	5.817	50.000	20.701
	2013	22.653	18.922	14.680	7.320	5.822	50.000	20.737
	2014	22.693	18.946	14.688	7.320	5.822	50.000	20.767
	2015	22.725	18.977	14.691	7.327	5.827	50.000	20.792
	2020	22.812	19.062	14.699	7.333	5.836	50.000	20.864
	2025	22.855	19.086	14.700	7.333	5.845	50.000	20.899
D I E S E L	2001	27.430	23.653	17.870	7.985	5.795	0.000	7.754
	2002	27.704	23.645	17.783	8.016	5.830	0.000	7.914
	2003	27.748	23.723	17.704	8.042	5.860	0.000	7.903
	2004	27.739	23.713	17.647	8.061	5.894	0.000	7.877
	2005	28.011	23.657	17.604	8.080	5.924	0.000	7.863
	2006	28.052	26.304	17.571	8.092	5.954	0.000	7.850
	2007	28.162	24.013	17.548	8.105	5.979	0.000	7.838
	2008	28.265	23.999	17.530	8.118	6.009	0.000	7.833
	2009	28.703	23.998	17.520	8.131	6.034	0.000	7.828
	2010	28.727	24.009	17.513	8.137	6.058	0.000	7.822
	2011	27.916	24.022	17.507	8.143	6.083	0.000	7.817
	2012	27.763	23.973	17.504	8.150	6.108	0.000	7.814
	2013	28.688	24.000	17.502	8.156	6.133	0.000	7.817
	2014	28.606	23.973	17.502	8.156	6.153	0.000	7.813
	2015	28.486	23.976	17.501	8.162	6.178	0.000	7.818
	2020	28.353	24.025	17.500	8.175	6.272	0.000	7.836
	2025	28.320	24.032	17.500	8.181	6.352	0.000	7.870

Figure-15
CALIFORNIA VEHICLE FLEET FUEL ECONOMY BY BODY TYPE



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APPENDIX A

Vehicle Body Type Definitions:

The motor vehicle fleet is stratified into six classes by body type, one class of autos, four classes of trucks by gross vehicle weight and one class of motorcycles. These are defined as follows:

- AUTOS AUTOS include all passenger vehicles registered as regular autos and station wagons.
- TRK1 TRK1 includes all Truck Gross Vehicle Weight Class 1 trucks (GVW 0 to 6,000 lbs.)
- TRK2 TRK2 includes all Truck Gross Vehicle Weight Class 2 trucks (GVW 6,001 to 10,000 lbs.)
- TRK3 TRK3 includes trucks of Truck Gross Vehicle Weight Classes 3 (GVW 10,001 to 14,000 lbs.), 4 (GVW 14,001 to 16,000 lbs.), 5 (GVW 16,001 to 19,500 lbs.), 6 (GVW 19,501 to 26,000 lbs.), and 7 (GVW 26,001 to 33,000 lbs.)
- TRK4 TRK4 includes all trucks of Truck Gross Vehicle Weight Classes 8 and above (GVW 33,001+ lbs.)
- MC MC includes all registered motorcycles which excludes motor-bicycles and off-road motor-powered dirt bikes.

APPENDIX B

CALIFORNIA VEHICLE MILES/KILOMETERS OF TRAVEL BY COUNTY AND ROAD SYSTEM

1990 ANNUAL STATEWIDE VMT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	7152.000	4279.340	11431.340
ALPINE	41.000	7.262	48.262
AMADOR	223.000	61.620	284.620
BUTTE	540.000	915.457	1455.457
CALAVERAS	215.000	89.559	304.559
COLUSA	347.000	102.236	449.236
CONTRA COSTA	3445.000	3246.368	6691.368
DEL NORTE	150.000	61.124	211.124
EL DORADO	757.000	474.890	1231.890
FRESNO	2066.000	3172.677	5238.677
GLENN	290.000	91.583	381.583
HUMBOLDT	661.000	408.296	1069.296
IMPERIAL	800.000	452.897	1252.897
INYO	382.000	65.501	447.501
KERN	3275.000	2022.720	5297.720
KINGS	489.000	417.384	906.384
LAKE	256.000	120.888	376.888
LASSEN	265.000	200.682	465.682
LOS ANGELES	34243.000	37622.039	71865.040
MADERA	655.000	281.274	936.274
MARIN	1409.000	1082.729	2491.729
MARIPOSA	105.000	103.366	208.366
MENDOCINO	619.000	346.644	965.644
MERCED	1289.000	470.881	1759.881
MODOC	83.000	60.075	143.075
MONO	276.000	24.399	300.399
MONTEREY	1710.000	1372.504	3082.504
NAPA	531.000	356.069	887.069
NEVADA	565.000	308.774	873.774
ORANGE	11304.000	11466.120	22770.120
PLACER	1295.000	702.972	1997.972
PLUMAS	160.000	99.828	259.828
RIVERSIDE	7170.000	4289.729	11459.730
SACRAMENTO	3771.000	5032.580	8803.580
SAN BENITO	255.000	93.997	348.997
SAN BERNARDINO	8593.000	4624.414	13217.410
SAN DIEGO	12088.000	9415.592	21503.590
SAN FRANCISCO	1441.000	2191.836	3632.836
SAN JOAQUIN	2415.000	1931.905	4346.905
SAN LUIS OBISPO	1482.000	698.928	2180.928
SAN MATEO	4212.000	2003.598	6215.598
SANTA BARBARA	1963.000	1055.183	3018.183
SANTA CLARA	5915.000	7116.808	13031.810
SANTA CRUZ	892.000	846.475	1738.475
SHASTA	973.000	614.108	1587.108
SIERRA	60.000	29.915	89.915
SISKIYOU	570.000	199.754	769.754
SOLANO	2381.000	970.847	3351.847
SONOMA	1605.000	1425.999	3030.999
STANISLAUS	1268.000	1509.908	2777.908
SUTTER	320.000	275.183	595.183
TEHAMA	516.000	215.304	731.304
TRINITY	117.000	25.272	142.272
TULARE	1173.000	1300.106	2473.106
TUOLUMNE	291.000	190.485	481.485
VENTURA	2931.000	2464.488	5395.488
YOLO	979.000	533.314	1512.314
YUBA	230.000	250.136	480.136
TOTAL	139209.000	119794.000	259003.000

1990 ANNUAL STATEWIDE VKT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	11510.028	6886.930	18396.959
ALPINE	65.983	11.687	77.670
AMADOR	358.884	99.168	458.051
BUTTE	869.046	1473.285	2342.331
CALAVERAS	346.009	144.131	490.140
COLUSA	558.442	164.533	722.975
CONTRA COSTA	5544.190	5224.523	10768.713
DEL NORTE	241.402	98.370	339.771
EL DORADO	1218.273	764.261	1982.535
FRESNO	3324.905	5105.929	8430.833
GLENN	466.710	147.389	614.098
HUMBOLDT	1063.776	657.089	1720.865
IMPERIAL	1287.475	728.867	2016.342
INYO	614.769	105.414	720.183
KERN	5270.602	3255.252	8525.854
KINGS	786.969	671.714	1458.684
LAKE	411.992	194.550	606.542
LASSEN	426.476	322.966	749.443
LOS ANGELES	55108.766	60546.805	115655.571
MADERA	1054.120	452.667	1506.787
MARIN	2267.566	1742.483	4010.049
MARIPOSA	168.981	166.351	335.333
MENDOCINO	996.184	557.869	1554.053
MERCED	2074.444	757.810	2832.254
MODOC	133.576	96.681	230.257
MONO	444.179	39.266	483.445
MONTEREY	2751.978	2208.831	4960.809
NAPA	854.562	573.038	1427.599
NEVADA	909.279	496.924	1406.203
ORANGE	18192.025	18452.932	36644.956
PLACER	2084.101	1131.324	3215.424
PLUMAS	257.495	160.658	418.153
RIVERSIDE	11538.996	6903.649	18442.648
SACRAMENTO	6068.836	8099.152	14167.989
SAN BENITO	410.383	151.274	561.656
SAN BERNARDINO	13829.093	7442.273	21271.360
SAN DIEGO	19453.750	15152.927	34606.674
SAN FRANCISCO	2319.065	3527.418	5846.483
SAN JOAQUIN	3886.566	3109.100	6995.666
SAN LUIS OBISPO	2385.048	1124.816	3509.863
SAN MATEO	6778.557	3224.479	10003.035
SANTA BARBARA	3159.142	1698.152	4857.295
SANTA CLARA	9519.270	11453.393	20972.665
SANTA CRUZ	1435.535	1362.269	2797.804
SHASTA	1565.892	988.311	2554.203
SIERRA	96.561	48.144	144.704
SISKIYOU	917.326	321.473	1238.799
SOLANO	3831.848	1562.427	5394.275
SONOMA	2582.997	2294.923	4877.920
STANISLAUS	2040.648	2429.961	4470.610
SUTTER	514.990	442.864	957.854
TEHAMA	830.422	346.498	1176.920
TRINITY	188.293	40.671	228.965
TULARE	1887.760	2092.318	3980.078
TUOLUMNE	468.319	306.556	774.875
VENTURA	4716.987	3966.209	8683.196
YOLO	1575.548	858.286	2433.833
YUBA	370.149	402.555	772.704
TOTAL	224035.172	192789.750	416824.925

1995 ANNUAL STATEWIDE VMT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	7446.094	4978.716	12424.810
ALPINE	42.031	8.258	50.288
AMADOR	245.670	84.153	329.823
BUTTE	607.915	981.743	1589.659
CALAVERAS	250.213	115.479	365.692
COLUSA	392.990	109.167	502.157
CONTRA COSTA	3643.810	3466.372	7110.182
DEL NORTE	157.375	67.824	225.199
EL DORADO	802.615	660.853	1463.468
FRESNO	2349.317	3697.812	6047.128
GLENN	322.618	120.538	443.156
HUMBOLDT	686.710	442.605	1129.314
IMPERIAL	880.310	502.488	1382.798
INYO	373.176	72.673	445.849
KERN	3692.823	2365.436	6058.259
KINGS	517.071	450.224	967.295
LAKE	298.372	159.667	458.039
LASSEN	313.735	243.389	557.124
LOS ANGELES	35077.895	38915.496	73993.391
MADERA	778.416	345.037	1123.453
MARIN	1433.790	1123.358	2557.148
MARISPOSA	125.356	114.461	239.817
MENDOCINO	646.967	419.624	1066.591
MERCED	1349.182	740.422	2089.604
MODOC	92.546	68.090	160.636
MONO	251.333	26.732	278.064
MONTEREY	1803.910	1421.387	3225.297
NAPA	536.263	373.575	909.837
NEVADA	634.526	344.081	978.607
ORANGE	11224.334	11905.607	23129.941
PLACER	1489.990	1039.482	2529.472
PLUMAS	180.789	109.287	290.076
RIVERSIDE	7380.951	4928.492	12309.442
SACRAMENTO	4193.164	5100.004	9293.169
SAN BENITO	285.832	119.000	404.832
SAN BERNARDINO	9716.704	5973.938	15690.642
SAN DIEGO	12603.485	10450.808	23054.293
SAN FRANCISCO	1503.313	2221.684	3724.997
SAN JOAQUIN	2818.117	2100.808	4918.925
SAN LUIS OBISPO	1557.005	767.077	2324.082
SAN MATEO	4271.216	2162.862	6434.078
SANTA BARBARA	2016.736	1165.377	3182.114
SANTA CLARA	6202.178	7372.168	13574.347
SANTA CRUZ	964.584	901.866	1866.449
SHASTA	1076.579	674.745	1751.324
SIERRA	57.836	28.706	86.542
SISKIYOU	579.600	279.885	859.485
SOLANO	2612.947	1109.651	3722.597
SONOMA	1752.949	1604.533	3357.483
STANISLAUS	1373.184	2049.389	3422.573
SUTTER	370.762	303.935	674.697
TEHAMA	553.252	235.268	788.520
TRINITY	113.962	31.776	145.738
TULARE	1341.240	1462.093	2803.333
TUOLUMNE	293.840	210.761	504.601
VENTURA	3117.036	2664.815	5781.852
YOLO	1063.659	563.462	1627.121
YUBA	246.729	295.853	542.581
TOTAL	146715.016	130252.969	276968.000

1995 ANNUAL STATEWIDE VKT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	11983.327	8012.467	19995.793
ALPINE	67.642	13.290	80.931
AMADOR	395.368	135.431	530.799
BUTTE	978.344	1579.962	2558.308
CALAVERAS	402.679	185.845	588.524
COLUSA	632.456	175.687	808.143
CONTRA COSTA	5864.144	5578.585	11442.729
DEL NORTE	253.271	109.152	362.423
EL DORADO	1291.684	1063.540	2355.223
FRESNO	3780.859	5951.052	9731.909
GLENN	519.203	193.987	713.190
HUMBOLDT	1105.153	712.304	1817.455
IMPERIAL	1416.722	808.676	2225.398
INYO	600.569	116.956	717.524
KERN	5943.022	3806.800	9749.823
KINGS	832.145	724.565	1556.710
LAKE	480.183	256.959	737.142
LASSEN	504.908	391.697	896.604
LOS ANGELES	56452.398	62628.422	119080.820
MADERA	1252.739	555.283	1808.022
MARIN	2307.461	1807.870	4115.331
MARISPOSA	201.741	184.207	385.948
MENDOCINO	1041.193	675.319	1716.512
MERCED	2171.298	1191.594	3362.892
MODOC	148.938	109.580	258.519
MONO	404.481	43.021	447.501
MONTEREY	2903.112	2287.501	5190.612
NAPA	863.032	601.211	1464.241
NEVADA	1021.171	553.745	1574.915
ORANGE	18063.814	19160.217	37224.032
PLACER	2397.906	1672.884	4070.791
PLUMAS	290.952	175.880	466.832
RIVERSIDE	11878.489	7931.639	19810.127
SACRAMENTO	6748.243	8207.661	14955.906
SAN BENITO	460.002	191.512	651.514
SAN BERNARDINO	15637.520	9614.121	25251.641
SAN DIEGO	20283.344	16818.945	37102.288
SAN FRANCISCO	2419.348	3575.454	5994.802
SAN JOAQUIN	4535.320	3380.923	7916.242
SAN LUIS OBISPO	2505.757	1234.491	3740.247
SAN MATEO	6873.856	3480.789	10354.645
SANTA BARBARA	3245.622	1875.492	5121.116
SANTA CLARA	9981.438	11864.354	21845.794
SANTA CRUZ	1552.348	1451.413	3003.759
SHASTA	1732.586	1085.897	2818.483
SIERRA	93.078	46.198	139.276
SISKIYOU	932.776	450.431	1383.207
SOLANO	4205.130	1785.810	5990.939
SONOMA	2821.098	2582.246	5403.345
STANISLAUS	2209.926	3298.172	5508.097
SUTTER	596.684	489.136	1085.820
TEHAMA	890.373	378.627	1269.000
TRINITY	183.404	51.139	234.543
TULARE	2158.517	2353.010	4511.527
TUOLUMNE	472.890	339.187	812.077
VENTURA	5016.383	4288.604	9304.989
YOLO	1711.793	906.804	2618.597
YUBA	397.072	476.129	873.199
TOTAL	236114.938	209621.828	445736.791

2000 ANNUAL STATEWIDE VMT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	8532.969	5493.258	14026.227
ALPINE	44.501	12.415	56.916
AMADOR	261.405	106.558	367.963
BUTTE	642.613	1357.711	2000.324
CALAVERAS	243.504	142.448	385.952
COLUSA	406.608	116.190	522.798
CONTRA COSTA	4220.383	3731.079	7951.462
DEL NORTE	153.903	87.401	241.304
EL DORADO	845.416	772.738	1618.154
FRESNO	2709.153	4116.970	6826.123
GLENN	308.507	130.725	439.231
HUMBOLDT	702.814	509.308	1212.122
IMPERIAL	1105.722	537.656	1643.377
INYO	404.908	115.702	520.609
KERN	4192.583	2823.800	7016.383
KINGS	649.413	459.336	1108.749
LAKE	308.406	184.271	492.677
LASSEN	295.605	284.158	579.764
LOS ANGELES	37403.344	41684.074	79087.418
MADERA	899.117	421.758	1320.876
MARIN	1552.530	1225.938	2778.469
MARIPOSA	122.002	139.324	261.326
MENDOCINO	689.414	449.632	1139.046
MERCED	1485.529	729.629	2215.158
MODOC	80.501	108.529	189.030
MONO	237.404	56.436	293.840
MONTEREY	2038.840	1544.548	3583.388
NAPA	675.513	473.885	1149.399
NEVADA	699.614	385.486	1085.100
ORANGE	12808.053	13008.400	25816.453
PLACER	1721.234	1188.512	2909.746
PLUMAS	176.203	178.069	354.272
RIVERSIDE	8394.666	5709.839	14104.505
SACRAMENTO	4959.698	5443.629	10403.327
SAN BENITO	347.107	185.868	532.974
SAN BERNARDINO	10485.908	6687.920	17173.828
SAN DIEGO	14770.092	11364.967	26135.058
SAN FRANCISCO	1562.730	2288.854	3851.584
SAN JOAQUIN	3116.562	2354.441	5471.002
SAN LUIS OBISPO	1734.235	896.256	2630.490
SAN MATEO	4910.597	2475.690	7386.287
SANTA BARBARA	2221.044	1345.261	3566.305
SANTA CLARA	7670.652	7736.795	15407.447
SANTA CRUZ	1011.820	1025.191	2037.011
SHASTA	1070.022	829.130	1899.152
SIERRA	65.801	44.724	110.525
SISKIYOU	579.412	301.579	880.991
SOLANO	2929.859	1337.424	4267.283
SONOMA	1898.838	1764.106	3662.944
STANISLAUS	1389.727	1995.865	3385.592
SUTTER	393.708	350.794	744.501
TEHAMA	560.411	273.792	834.203
TRINITY	110.602	72.922	183.525
TULARE	1510.930	1566.262	3077.192
TUOLUMNE	300.706	266.179	566.886
VENTURA	3482.669	2939.111	6421.780
YOLO	1182.924	657.314	1840.238
YUBA	278.605	324.130	602.736
TOTAL	163557.000	142814.000	306371.000

2000 ANNUAL STATEWIDE VKT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	13732.482	8840.542	22573.024
ALPINE	71.617	19.980	91.597
AMADOR	420.691	171.488	592.179
BUTTE	1034.185	2185.024	3219.209
CALAVERAS	391.882	229.248	621.130
COLUSA	654.372	186.990	841.362
CONTRA COSTA	6792.048	6004.590	12796.638
DEL NORTE	247.683	140.658	388.341
EL DORADO	1360.565	1243.601	2604.166
FRESNO	4359.959	6625.621	10985.580
GLENN	496.494	210.382	706.874
HUMBOLDT	1131.069	819.652	1950.721
IMPERIAL	1779.487	865.273	2644.759
INYO	651.636	186.204	837.839
KERN	6747.308	4544.466	11291.774
KINGS	1045.129	739.230	1784.359
LAKE	496.331	296.555	792.887
LASSEN	475.730	457.308	933.040
LOS ANGELES	60194.848	67084.016	127278.862
MADERA	1446.989	678.754	2125.744
MARIN	2498.555	1972.956	4471.512
MARIPOSA	196.343	224.220	420.563
MENDOCINO	1109.504	723.613	1833.117
MERCED	2390.727	1174.224	3564.951
MODOC	129.554	174.660	304.214
MONO	382.065	90.825	472.890
MONTEREY	3281.195	2485.709	5766.904
NAPA	1087.133	762.644	1849.778
NEVADA	1125.920	620.380	1746.299
ORANGE	20612.563	20934.990	41547.554
PLACER	2770.058	1912.725	4682.782
PLUMAS	283.571	286.574	570.146
RIVERSIDE	13509.905	9189.095	22699.001
SACRAMENTO	7981.860	8760.672	16742.532
SAN BENITO	558.615	299.126	857.739
SAN BERNARDINO	16875.434	10763.164	27638.597
SAN DIEGO	23770.158	18290.141	42060.299
SAN FRANCISCO	2514.970	3683.553	6198.524
SAN JOAQUIN	5015.621	3789.105	8804.724
SAN LUIS OBISPO	2790.981	1442.384	4233.363
SAN MATEO	7902.840	3984.237	11887.077
SANTA BARBARA	3574.424	2164.988	5739.412
SANTA CLARA	12344.718	12451.165	24795.882
SANTA CRUZ	1628.366	1649.885	3278.251
SHASTA	1722.033	1334.355	3056.389
SIERRA	105.896	71.976	177.873
SISKIYOU	932.473	485.344	1417.818
SOLANO	4715.151	2152.375	6867.526
SONOMA	3055.884	2839.053	5894.937
STANISLAUS	2236.549	3212.033	5448.582
SUTTER	633.612	564.548	1198.158
TEHAMA	901.894	440.626	1342.520
TRINITY	177.997	117.357	295.355
TULARE	2431.606	2520.654	4952.260
TUOLUMNE	483.939	428.374	912.315
VENTURA	5604.813	4730.041	10334.853
YOLO	1903.732	1057.844	2961.576
YUBA	448.371	521.637	970.010
TOTAL	263219.469	229836.859	493056.332

2001 ANNUAL STATEWIDE VMT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	8532.236	5125.703	13657.939
ALPINE	46.101	12.255	58.356
AMADOR	270.804	106.602	377.406
BUTTE	648.310	1030.163	1678.473
CALAVERAS	248.704	141.166	389.870
COLUSA	429.707	115.336	545.043
CONTRA COSTA	4214.768	3717.124	7931.892
DEL NORTE	151.602	86.399	238.001
EL DORADO	845.013	771.913	1616.926
FRESNO	2922.446	4076.750	6999.196
GLENN	309.905	129.808	439.713
HUMBOLDT	711.611	505.698	1217.309
IMPERIAL	1110.918	536.923	1647.841
INYO	402.706	110.587	513.293
KERN	4267.769	2859.271	7127.039
KINGS	674.411	480.734	1155.145
LAKE	314.905	182.919	497.824
LASSEN	284.905	283.889	568.794
LOS ANGELES	38302.109	41838.988	80141.098
MADERA	923.015	421.938	1344.953
MARIN	1542.524	1236.922	2779.446
MARIPOSA	125.902	138.459	264.361
MENDOCINO	692.511	446.129	1138.640
MERCED	1539.924	720.690	2260.614
MODOC	80.301	107.585	187.886
MONO	236.404	55.771	292.175
MONTEREY	2006.032	1584.735	3590.767
NAPA	680.311	441.286	1121.597
NEVADA	688.711	382.751	1071.462
ORANGE	13265.612	12831.494	26097.107
PLACER	1696.927	1179.518	2876.445
PLUMAS	184.203	174.044	358.247
RIVERSIDE	8901.143	5887.133	14788.276
SACRAMENTO	4997.680	5356.394	10354.074
SAN BENITO	362.206	178.184	540.390
SAN BERNARDINO	10812.772	6786.524	17599.297
SAN DIEGO	15259.744	12014.080	27273.824
SAN FRANCISCO	1545.825	2300.503	3846.328
SAN JOAQUIN	3440.455	2341.775	5782.230
SAN LUIS OBISPO	1737.828	908.175	2646.003
SAN MATEO	4948.479	2464.205	7412.685
SANTA BARBARA	2294.936	1402.175	3697.111
SANTA CLARA	7924.526	7874.346	15798.871
SANTA CRUZ	995.916	1024.183	2020.099
SHASTA	1092.717	830.340	1923.057
SIERRA	65.401	44.160	109.561
SISKIYOU	585.309	300.181	885.490
SOLANO	2949.247	1374.627	4323.874
SONOMA	2009.432	1784.046	3793.478
STANISLAUS	1475.623	2032.679	3508.302
SUTTER	410.207	350.602	760.809
TEHAMA	562.609	273.567	836.176
TRINITY	110.802	71.453	182.255
TULARE	1549.925	1605.236	3155.161
TUOLUMNE	311.505	262.589	574.094
VENTURA	3598.758	2999.123	6597.880
YOLO	1226.419	659.564	1885.983
YUBA	287.205	322.610	609.815
TOTAL	167808.000	143282.000	311090.000

2001 ANNUAL STATEWIDE VKT DISTRIBUTION BY COUNTY MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	13731.084	8246.812	21977.894
ALPINE	74.191	19.714	93.905
AMADOR	435.810	171.488	607.299
BUTTE	1043.338	1657.568	2700.906
CALAVERAS	400.244	227.090	627.334
COLUSA	691.535	185.567	877.102
CONTRA COSTA	6782.902	5980.583	12763.485
DEL NORTE	243.977	138.988	382.964
EL DORADO	1359.896	1241.961	2601.857
FRESNO	4703.147	6559.828	11262.975
GLENN	498.736	208.846	707.582
HUMBOLDT	1145.209	813.607	1958.816
IMPERIAL	1787.820	863.835	2651.655
INYO	648.083	177.895	825.978
KERN	6868.197	4600.669	11468.866
KINGS	1085.342	773.510	1858.852
LAKE	506.782	294.254	801.036
LASSEN	458.502	456.798	915.300
LOS ANGELES	61640.289	67320.445	128960.736
MADERA	1485.425	678.855	2164.280
MARIN	2482.413	1990.170	4472.583
MARIPOSA	202.616	222.773	425.390
MENDOCINO	1114.471	717.806	1832.277
MERCED	2478.229	1159.545	3637.774
MODOC	129.230	173.070	302.301
MONO	380.449	89.689	470.138
MONTEREY	3228.344	2549.821	5778.165
NAPA	1094.837	709.973	1804.810
NEVADA	1108.355	615.796	1724.151
ORANGE	21348.592	20645.926	41994.520
PLACER	2730.896	1897.798	4628.694
PLUMAS	296.441	280.002	576.443
RIVERSIDE	14324.771	9472.338	23797.109
SACRAMENTO	8042.857	8618.497	16661.355
SAN BENITO	582.904	286.671	869.575
SAN BERNARDINO	17401.193	10919.597	28320.788
SAN DIEGO	24557.785	19330.553	43888.340
SAN FRANCISCO	2487.724	3701.385	6189.109
SAN JOAQUIN	5536.787	3767.949	9304.736
SAN LUIS OBISPO	2796.718	1461.164	4257.882
SAN MATEO	7963.678	3964.329	11928.007
SANTA BARBARA	3693.283	2255.985	5949.268
SANTA CLARA	12753.086	12669.667	25422.753
SANTA CRUZ	1602.746	1647.865	3250.611
SHASTA	1758.530	1336.002	3094.532
SIERRA	105.251	71.036	176.288
SISKIYOU	941.949	482.906	1424.855
SOLANO	4746.277	2211.654	6957.931
SONOMA	3233.816	2870.375	6104.190
STANISLAUS	2374.748	3270.668	5645.416
SUTTER	660.153	564.107	1224.260
TEHAMA	905.417	440.144	1345.561
TRINITY	178.315	114.907	293.222
TULARE	2494.322	2582.860	5077.183
TUOLUMNE	501.311	422.480	923.791
VENTURA	5791.546	4825.439	10616.986
YOLO	1973.699	1061.219	3034.919
YUBA	462.204	519.102	981.306
TOTAL	270056.531	230539.578	500596.109

2005 ANNUAL STATEWIDE VMT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	9379.004	5653.336	15032.341
ALPINE	51.623	13.769	65.391
AMADOR	293.893	116.080	409.973
BUTTE	739.818	1179.521	1919.338
CALAVERAS	282.379	160.819	443.198
COLUSA	515.370	138.793	654.163
CONTRA COSTA	4614.410	4083.260	8697.670
DEL NORTE	169.310	96.815	266.125
EL DORADO	967.710	886.968	1854.677
FRESNO	3301.967	4621.659	7923.626
GLENN	361.839	152.071	513.909
HUMBOLDT	766.655	546.646	1313.300
IMPERIAL	1332.408	646.137	1978.546
INYO	438.284	120.762	559.045
KERN	4947.392	3325.740	8273.131
KINGS	771.248	551.610	1322.858
LAKE	361.437	210.654	572.090
LASSEN	319.671	319.602	639.274
LOS ANGELES	42031.391	46066.984	88098.375
MADERA	1087.362	498.737	1586.100
MARIN	1663.904	1338.740	3002.644
MARIPOSA	141.284	155.897	297.181
MENDOCINO	772.924	499.606	1272.530
MERCED	1763.876	828.276	2592.152
MODOC	88.053	118.368	206.422
MONO	263.053	62.267	325.320
MONTEREY	2290.174	1815.285	4105.458
NAPA	751.736	489.255	1240.992
NEVADA	773.411	431.268	1204.680
ORANGE	14592.685	14162.590	28755.273
PLACER	1952.184	1361.506	3313.690
PLUMAS	198.563	188.242	386.805
RIVERSIDE	10511.867	6975.824	17487.691
SACRAMENTO	5616.073	6039.408	11655.480
SAN BENITO	417.351	206.003	623.354
SAN BERNARDINO	12555.739	7906.972	20462.711
SAN DIEGO	17097.832	13506.470	30604.303
SAN FRANCISCO	1618.406	2416.615	4035.022
SAN JOAQUIN	3951.755	2698.838	6650.593
SAN LUIS OBISPO	1992.260	1044.639	3036.899
SAN MATEO	5377.202	2686.698	8063.900
SANTA BARBARA	2591.053	1588.421	4179.474
SANTA CLARA	8745.663	8719.498	17465.160
SANTA CRUZ	1129.139	1165.091	2294.230
SHASTA	1223.886	933.140	2157.025
SIERRA	69.509	47.091	116.600
SISKIYOU	640.914	329.803	970.717
SOLANO	3316.762	1551.120	4867.882
SONOMA	2244.688	1999.614	4244.302
STANISLAUS	1695.898	2343.962	4039.860
SUTTER	463.765	397.710	861.475
TEHAMA	642.024	313.232	955.255
TRINITY	120.330	77.858	198.189
TULARE	1779.720	1849.428	3629.148
TUOLUMNE	349.148	295.310	644.458
VENTURA	4026.371	3366.766	7393.137
YOLO	1381.953	745.708	2127.661
YUBA	321.639	362.504	684.143
TOTAL	187865.953	160408.984	348275.000

2005 ANNUAL STATEWIDE VKT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	15094.044	9098.162	24192.208
ALPINE	83.079	22.159	105.237
AMADOR	472.975	186.813	659.788
BUTTE	1190.622	1898.255	3088.875
CALAVERAS	454.445	258.813	713.258
COLUSA	829.408	223.366	1052.773
CONTRA COSTA	7426.173	6571.370	13997.543
DEL NORTE	272.478	155.809	428.287
EL DORADO	1557.378	1427.437	2984.813
FRESNO	5314.001	7437.839	12751.840
GLENN	582.323	244.735	827.056
HUMBOLDT	1233.812	879.741	2113.551
IMPERIAL	2144.303	1039.857	3184.161
INYO	705.350	194.348	899.696
KERN	7962.056	5352.260	13314.314
KINGS	1241.203	887.730	2128.934
LAKE	581.676	339.015	920.690
LASSEN	514.461	514.350	1028.812
LOS ANGELES	67642.969	74137.625	141780.592
MADERA	1749.940	802.639	2552.581
MARIN	2677.794	2154.493	4832.287
MARIPOSA	227.375	250.892	478.266
MENDOCINO	1243.901	804.038	2047.939
MERCED	2838.683	1332.981	4171.664
MODOC	141.708	190.495	332.204
MONO	423.343	100.209	523.552
MONTEREY	3685.678	2921.418	6607.094
NAPA	1209.802	787.380	1997.183
NEVADA	1244.684	694.059	1938.745
ORANGE	23484.650	22792.479	46277.126
PLACER	3141.736	2191.132	5332.867
PLUMAS	319.556	302.946	622.502
RIVERSIDE	16917.211	11226.501	28143.711
SACRAMENTO	9038.193	9719.485	18757.677
SAN BENITO	671.661	331.530	1003.191
SAN BERNARDINO	20206.504	12725.038	32931.541
SAN DIEGO	27516.293	21736.557	49252.852
SAN FRANCISCO	2604.572	3889.165	6493.738
SAN JOAQUIN	6359.733	4343.359	10703.092
SAN LUIS OBISPO	3206.232	1681.183	4887.415
SAN MATEO	8653.768	4323.821	12977.589
SANTA BARBARA	4169.896	2556.316	6726.211
SANTA CLARA	14074.780	14032.672	28107.451
SANTA CRUZ	1817.173	1875.032	3692.205
SHASTA	1969.654	1501.743	3471.395
SIERRA	111.864	75.786	187.650
SISKIYOU	1031.451	530.766	1562.218
SOLANO	5337.811	2496.286	7834.097
SONOMA	3612.475	3218.067	6830.542
STANISLAUS	2729.283	3772.241	6501.524
SUTTER	746.357	640.052	1386.410
TEHAMA	1033.237	504.098	1537.334
TRINITY	193.652	125.300	318.954
TULARE	2864.182	2976.366	5840.548
TUOLUMNE	561.899	475.255	1037.155
VENTURA	6479.816	5418.285	11898.101
YOLO	2224.038	1200.101	3424.138
YUBA	517.628	583.394	1101.021
TOTAL	302340.938	258153.234	560494.284

2010 ANNUAL STATEWIDE VMT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	10391.859	6290.764	16682.623
ALPINE	58.536	15.680	74.215
AMADOR	320.462	127.118	447.579
BUTTE	858.957	1375.353	2234.310
CALAVERAS	325.791	186.340	512.131
COLUSA	636.754	172.220	808.974
CONTRA COSTA	5087.020	4520.812	9607.831
DEL NORTE	191.347	109.887	301.234
EL DORADO	1128.539	1038.822	2167.362
FRESNO	3786.385	5322.454	9108.839
GLENN	432.307	182.467	614.774
HUMBOLDT	828.353	593.176	1421.529
IMPERIAL	1646.269	801.771	2448.039
INYO	479.605	132.715	612.319
KERN	5858.207	3954.928	9813.135
KINGS	897.843	644.912	1542.755
LAKE	422.685	247.409	670.094
LASSEN	363.394	364.876	728.270
LOS ANGELES	46470.984	51151.672	97622.656
MADERA	1313.713	605.146	1918.858
MARIN	1800.602	1454.949	3255.551
MARIPOSA	160.633	178.010	338.643
MENDOCINO	872.857	566.626	1439.483
MERCED	2057.540	970.325	3027.865
MODOC	97.263	131.310	228.573
MONO	295.937	70.351	366.288
MONTEREY	2660.424	2117.820	4778.244
NAPA	838.363	547.979	1386.342
NEVADA	880.130	492.885	1373.015
ORANGE	16183.195	15773.707	31956.902
PLACER	2289.612	1603.699	3893.311
PLUMAS	214.693	204.409	419.102
RIVERSIDE	12739.188	8490.229	21229.416
SACRAMENTO	6396.352	6908.057	13304.408
SAN BENITO	490.460	243.129	733.589
SAN BERNARDINO	14898.519	9422.647	24321.166
SAN DIEGO	19402.270	15392.718	34794.988
SAN FRANCISCO	1687.197	2530.159	4217.356
SAN JOAQUIN	4625.694	3172.676	7798.370
SAN LUIS OBISPO	2326.427	1225.100	3551.527
SAN MATEO	5872.611	2946.835	8819.446
SANTA BARBARA	2968.436	1827.590	4796.026
SANTA CLARA	9738.370	9750.952	19489.322
SANTA CRUZ	1300.387	1347.557	2647.944
SHASTA	1388.198	1062.966	2451.164
SIERRA	73.838	50.239	124.077
SISKIYOU	706.703	365.220	1071.923
SOLANO	3781.268	1775.950	5557.218
SONOMA	2537.631	2270.287	4807.919
STANISLAUS	1986.549	2757.479	4744.028
SUTTER	532.213	458.370	990.583
TEHAMA	745.420	365.239	1110.659
TRINITY	131.319	85.334	216.653
TULARE	2082.439	2173.301	4255.740
TUOLUMNE	396.378	336.698	733.076
VENTURA	4560.730	3829.972	8390.702
YOLO	1579.358	855.891	2435.249
YUBA	364.763	412.872	777.635
TOTAL	213162.984	182008.031	395171.000

2010 ANNUAL STATEWIDE VKT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	16724.076	10124.003	26848.079
ALPINE	94.205	25.235	119.437
AMADOR	515.734	204.577	720.309
BUTTE	1382.357	2213.416	3595.773
CALAVERAS	524.310	299.885	824.195
COLUSA	1024.756	277.161	1301.917
CONTRA COSTA	8186.765	7275.542	15462.305
DEL NORTE	307.943	176.846	484.789
EL DORADO	1816.208	1671.822	3488.031
FRESNO	6093.596	8565.659	14659.255
GLENN	695.731	293.652	989.383
HUMBOLDT	1333.105	954.624	2287.729
IMPERIAL	2649.413	1290.325	3939.737
INYO	771.849	213.584	985.432
KERN	9427.870	6364.840	15792.710
KINGS	1444.938	1037.885	2482.824
LAKE	680.246	398.166	1078.412
LASSEN	584.826	587.211	1172.037
LOS ANGELES	74787.797	82320.633	157108.436
MADERA	2114.216	973.888	3088.103
MARIN	2897.788	2341.513	5239.301
MARIPOSA	258.514	286.479	544.993
MENDOCINO	1404.727	911.896	2316.623
MERCED	3311.290	1561.587	4872.876
MODOC	156.530	211.323	367.853
MONO	476.264	113.219	589.483
MONTEREY	4281.538	3408.301	7689.838
NAPA	1349.214	881.887	2231.101
NEVADA	1416.432	793.221	2209.653
ORANGE	26044.328	25385.320	51429.649
PLACER	3684.773	2580.903	6265.677
PLUMAS	345.515	328.964	674.479
RIVERSIDE	20501.736	13663.699	34165.433
SACRAMENTO	10293.931	11117.440	21411.369
SAN BENITO	789.319	391.278	1180.597
SAN BERNARDINO	23976.842	15164.280	39141.123
SAN DIEGO	31224.928	24772.178	55997.105
SAN FRANCISCO	2715.280	4071.896	6787.177
SAN JOAQUIN	7444.333	5105.927	12550.260
SAN LUIS OBISPO	3744.021	1971.607	5715.629
SAN MATEO	9451.052	4742.471	14193.523
SANTA BARBARA	4777.235	2941.221	7718.456
SANTA CLARA	15672.388	15692.636	31365.024
SANTA CRUZ	2092.770	2168.683	4261.453
SHASTA	2234.088	1710.678	3944.766
SIERRA	118.831	80.852	199.683
SISKIYOU	1137.328	587.765	1725.093
SOLANO	6085.361	2858.115	8943.475
SONOMA	4083.921	3653.673	7737.596
STANISLAUS	3197.041	4437.732	7634.773
SUTTER	856.514	737.675	1594.189
TEHAMA	1199.637	587.795	1787.432
TRINITY	211.337	137.332	348.669
TULARE	3351.361	3497.589	6848.950
TUOLUMNE	637.909	541.863	1179.771
VENTURA	7339.784	6163.743	13503.526
YOLO	2541.730	1377.423	3919.153
YUBA	587.029	664.453	1251.482
TOTAL	343052.563	292913.531	635966.080

2015 ANNUAL STATEWIDE VMT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	11115.071	6758.323	17873.395
ALPINE	64.074	17.239	81.314
AMADOR	337.323	134.398	471.720
BUTTE	962.721	1548.317	2511.038
CALAVERAS	362.851	208.455	571.306
COLUSA	759.463	206.317	965.780
CONTRA COSTA	5413.688	4832.398	10246.086
DEL NORTE	208.759	120.416	329.175
EL DORADO	1270.488	1174.659	2445.147
FRESNO	4191.402	5917.837	10109.239
GLENN	498.600	211.379	709.979
HUMBOLDT	863.999	621.438	1485.438
IMPERIAL	1963.571	960.534	2924.104
INYO	506.633	140.814	647.447
KERN	6696.310	4540.734	11237.044
KINGS	1008.996	727.957	1736.953
LAKE	477.182	280.543	757.725
LASSEN	398.781	402.178	800.959
LOS ANGELES	49598.938	54836.148	104435.086
MADERA	1532.177	708.900	2241.078
MARIN	1881.004	1526.639	3407.643
MARIPOSA	176.304	196.239	372.543
MENDOCINO	951.552	620.443	1571.995
MERCED	2316.920	1097.479	3414.399
MODOC	103.713	140.637	244.349
MONO	321.393	76.741	398.134
MONTEREY	2983.428	2385.451	5368.879
NAPA	902.570	592.557	1495.127
NEVADA	966.864	543.852	1510.716
ORANGE	17325.104	16961.406	34286.512
PLACER	2592.301	1823.740	4416.042
PLUMAS	224.089	214.299	438.388
RIVERSIDE	14903.425	9976.547	24879.971
SACRAMENTO	7032.574	7628.769	14661.343
SAN BENITO	556.402	277.037	833.438
SAN BERNARDINO	17065.785	10841.085	27906.869
SAN DIEGO	21254.279	16936.582	38190.859
SAN FRANCISCO	1697.957	2557.556	4255.513
SAN JOAQUIN	5226.925	3600.905	8827.830
SAN LUIS OBISPO	2622.498	1387.120	4009.617
SAN MATEO	6191.396	3120.540	9311.937
SANTA BARBARA	3282.929	2030.156	5313.085
SANTA CLARA	10467.965	10527.847	20995.813
SANTA CRUZ	1445.707	1504.774	2950.481
SHASTA	1520.003	1169.039	2689.042
SIERRA	75.718	51.746	127.465
SISKIYOU	752.240	390.473	1142.713
SOLANO	4161.435	1963.147	6124.582
SONOMA	2769.386	2488.584	5257.971
STANISLAUS	2246.370	3131.921	5378.292
SUTTER	589.597	510.038	1099.636
TEHAMA	835.474	411.174	1246.649
TRINITY	138.345	90.297	228.642
TULARE	2352.205	2465.696	4817.900
TUOLUMNE	434.402	370.629	805.032
VENTURA	4986.978	4206.445	9193.423
YOLO	1742.410	948.429	2690.839
YUBA	399.332	454.000	853.331
TOTAL	233728.000	199568.984	433297.094

2015 ANNUAL STATEWIDE VKT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	17887.973	10876.467	28764.441
ALPINE	103.117	27.743	130.862
AMADOR	542.869	216.293	759.160
BUTTE	1549.349	2491.775	4041.124
CALAVERAS	583.952	335.476	919.428
COLUSA	1222.237	332.035	1554.272
CONTRA COSTA	8712.486	7776.991	16489.477
DEL NORTE	335.965	193.791	529.756
EL DORADO	2044.652	1890.430	3935.083
FRESNO	6745.408	9523.836	16269.243
GLENN	802.419	340.182	1142.600
HUMBOLDT	1390.472	1000.108	2390.581
IMPERIAL	3160.061	1545.830	4705.889
INYO	815.347	226.618	1041.965
KERN	10776.666	7307.603	18084.269
KINGS	1623.822	1171.533	2795.355
LAKE	767.950	451.490	1219.440
LASSEN	641.776	647.243	1289.019
LOS ANGELES	79821.750	88250.227	168071.980
MADERA	2465.800	1140.864	3606.665
MARIN	3027.183	2456.887	5484.070
MARIPOSA	283.734	315.816	599.550
MENDOCINO	1531.375	998.506	2529.881
MERCED	3728.721	1766.221	5494.943
MODOC	166.910	226.333	393.242
MONO	517.232	123.503	640.735
MONTEREY	4801.362	3839.011	8640.373
NAPA	1452.546	953.628	2406.174
NEVADA	1556.017	875.245	2431.262
ORANGE	27882.053	27296.736	55178.793
PLACER	4171.904	2935.025	7106.931
PLUMAS	360.636	344.881	705.517
RIVERSIDE	23984.738	16055.696	40040.432
SACRAMENTO	11317.831	12277.313	23595.144
SAN BENITO	895.442	445.848	1341.288
SAN BERNARDINO	27464.719	17447.035	44911.752
SAN DIEGO	34205.445	27256.787	61462.230
SAN FRANCISCO	2732.597	4115.987	6848.584
SAN JOAQUIN	8411.921	5795.095	14207.015
SAN LUIS OBISPO	4220.501	2232.353	6452.853
SAN MATEO	9964.086	5022.022	14986.110
SANTA BARBARA	5283.362	3267.219	8550.581
SANTA CLARA	16846.557	16942.928	33789.486
SANTA CRUZ	2326.640	2421.699	4748.339
SHASTA	2446.208	1881.386	4327.594
SIERRA	121.856	83.277	205.135
SISKIYOU	1210.613	628.405	1839.018
SOLANO	6697.181	3159.379	9856.559
SONOMA	4456.895	4004.988	8461.884
STANISLAUS	3615.182	5040.338	8655.522
SUTTER	948.864	820.827	1769.693
TEHAMA	1344.565	661.720	2006.287
TRINITY	222.645	145.319	367.964
TULARE	3785.507	3968.153	7753.658
TUOLUMNE	699.102	596.470	1295.573
VENTURA	8025.763	6769.617	14795.380
YOLO	2804.137	1526.349	4330.486
YUBA	642.663	730.642	1373.303
TOTAL	376148.750	321175.156	697324.081

2020 ANNUAL STATEWIDE VMT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	12071.074	7372.811	19443.885
ALPINE	71.213	19.247	90.460
AMADOR	360.520	144.290	504.810
BUTTE	1095.581	1769.963	2865.544
CALAVERAS	410.329	236.797	647.126
COLUSA	919.721	250.984	1170.705
CONTRA COSTA	5849.754	5245.268	11095.021
DEL NORTE	231.251	133.993	365.244
EL DORADO	1452.243	1348.779	2801.022
FRESNO	4710.950	6681.479	11392.430
GLENN	583.884	248.654	832.539
HUMBOLDT	915.011	661.106	1576.117
IMPERIAL	2377.973	1168.513	3546.487
INYO	543.399	151.716	695.115
KERN	7771.791	5293.856	13065.646
KINGS	1151.311	834.391	1985.702
LAKE	546.973	323.029	870.003
LASSEN	444.329	450.143	894.472
LOS ANGELES	53749.887	59694.266	113444.156
MADERA	1814.397	843.274	2657.671
MARIN	1995.154	1626.610	3621.764
MARIPOSA	196.473	219.678	416.151
MENDOCINO	1053.261	689.869	1743.130
MERCED	2649.039	1260.475	3909.514
MODOC	112.287	152.953	265.240
MONO	354.396	85.004	439.400
MONTEREY	3396.996	2728.415	6125.412
NAPA	986.608	650.660	1637.268
NEVADA	1078.447	609.361	1687.808
ORANGE	18832.242	18520.324	37352.566
PLACER	2980.051	2106.016	5086.067
PLUMAS	237.486	228.138	465.624
RIVERSIDE	17702.924	11904.187	29607.109
SACRAMENTO	7850.747	8554.835	16405.582
SAN BENITO	640.896	320.551	961.447
SAN BERNARDINO	19848.340	12665.756	32514.096
SAN DIEGO	23640.406	18923.211	42563.617
SAN FRANCISCO	1735.010	2625.192	4360.202
SAN JOAQUIN	5996.948	4150.077	10147.024
SAN LUIS OBISPO	3001.618	1594.832	4596.450
SAN MATEO	6627.666	3355.539	9983.205
SANTA BARBARA	3686.464	2290.015	5976.479
SANTA CLARA	11424.912	11542.256	22967.168
SANTA CRUZ	1631.934	1706.295	3338.229
SHASTA	1689.866	1305.561	2995.427
SIERRA	78.838	54.122	132.960
SISKIYOU	813.001	423.922	1236.923
SOLANO	4650.111	2203.604	6853.715
SONOMA	3068.691	2770.018	5838.709
STANISLAUS	2579.159	3612.169	6191.328
SUTTER	663.193	576.299	1239.493
TEHAMA	950.779	470.039	1420.818
TRINITY	147.983	97.025	245.008
TULARE	2697.695	2840.649	5538.343
TUOLUMNE	483.381	414.283	897.664
VENTURA	5536.753	4691.303	10228.056
YOLO	1951.798	1067.209	3019.007
YUBA	443.886	506.937	950.823
TOTAL	260487.031	222415.938	482902.938

2020 ANNUAL STATEWIDE VKT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	19426.510	11865.390	31291.900
ALPINE	114.606	30.975	145.581
AMADOR	580.201	232.212	812.413
BUTTE	1763.167	2848.479	4611.646
CALAVERAS	660.361	381.088	1041.448
COLUSA	1480.147	403.920	1884.067
CONTRA COSTA	9414.267	8441.440	17855.706
DEL NORTE	372.162	215.641	587.803
EL DORADO	2337.158	2170.649	4507.808
FRESNO	7581.539	10752.798	18334.339
GLENN	939.670	400.170	1339.842
HUMBOLDT	1472.568	1063.947	2536.514
IMPERIAL	3826.977	1880.539	5707.518
INYO	874.516	244.163	1118.679
KERN	12507.485	8519.636	21027.119
KINGS	1852.855	1342.822	3195.678
LAKE	880.268	519.865	1400.134
LASSEN	715.078	724.435	1439.513
LOS ANGELES	86502.055	96068.609	182570.672
MADERA	2919.989	1357.118	4277.107
MARIN	3210.889	2617.775	5828.664
MARIPOSA	316.193	353.537	669.730
MENDOCINO	1695.059	1110.237	2805.296
MERCED	4263.215	2028.538	6291.753
MODOC	180.708	246.154	426.862
MONO	570.345	136.801	707.146
MONTEREY	5466.935	4390.958	9857.895
NAPA	1587.792	1047.136	2634.927
NEVADA	1735.592	980.671	2716.264
ORANGE	30307.557	29805.572	60113.128
PLACER	4795.927	3389.304	8185.231
PLUMAS	382.197	367.153	749.349
RIVERSIDE	28490.094	19157.932	47648.023
SACRAMENTO	12634.553	13767.673	26402.225
SAN BENITO	1031.422	515.877	1547.299
SAN BERNARDINO	31942.807	20383.559	52326.365
SAN DIEGO	38045.547	30453.957	68499.502
SAN FRANCISCO	2792.228	4224.837	7017.065
SAN JOAQUIN	9651.152	6678.901	16330.052
SAN LUIS OBISPO	4830.636	2566.633	7397.269
SAN MATEO	10666.194	5400.217	16066.411
SANTA BARBARA	5932.789	3685.422	9618.211
SANTA CLARA	18386.613	18575.461	36962.074
SANTA CRUZ	2626.343	2746.016	5372.359
SHASTA	2719.576	2101.097	4820.672
SIERRA	126.877	87.101	213.978
SISKIYOU	1308.398	682.236	1990.635
SOLANO	7483.628	3546.357	11029.985
SONOMA	4938.580	4457.912	9396.491
STANISLAUS	4150.754	5813.223	9963.977
SUTTER	1067.306	927.463	1994.771
TEHAMA	1530.130	756.454	2286.585
TRINITY	238.156	156.147	394.302
TULARE	4341.519	4571.582	8913.099
TUOLUMNE	777.926	666.724	1444.650
VENTURA	8910.540	7549.920	16460.461
YOLO	3141.115	1717.506	4858.621
YUBA	714.365	815.836	1530.201
TOTAL	419213.250	357943.750	777156.949

2025 ANNUAL STATEWIDE VMT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	13061.256	8014.667	21075.922
ALPINE	78.858	21.412	100.270
AMADOR	383.901	154.361	538.262
BUTTE	1242.206	2016.168	3258.374
CALAVERAS	462.318	268.039	730.358
COLUSA	1109.714	304.238	1413.952
CONTRA COSTA	6297.779	5673.234	11971.014
DEL NORTE	255.226	148.573	403.799
EL DORADO	1653.915	1543.221	3197.136
FRESNO	5275.493	7516.930	12792.423
GLENN	681.250	291.467	972.717
HUMBOLDT	965.482	700.814	1666.296
IMPERIAL	2869.280	1416.488	4285.767
INYO	580.697	162.883	743.580
KERN	8986.943	6150.017	15136.960
KINGS	1308.885	952.997	2261.882
LAKE	624.674	370.632	995.306
LASSEN	493.266	502.042	995.308
LOS ANGELES	58034.742	64752.492	122787.234
MADERA	2140.725	999.564	3140.290
MARIN	2108.476	1726.986	3835.462
MARIPOSA	218.146	245.045	463.192
MENDOCINO	1161.569	764.344	1925.913
MERCED	3017.665	1442.548	4460.213
MODOC	121.125	165.758	286.883
MONO	389.356	93.823	483.179
MONTEREY	3853.718	3109.629	6963.347
NAPA	1074.518	711.929	1786.447
NEVADA	1198.499	680.341	1878.840
ORANGE	20395.467	20150.855	40546.324
PLACER	3413.244	2423.364	5836.609
PLUMAS	250.762	242.010	492.772
RIVERSIDE	20951.223	14153.940	35105.164
SACRAMENTO	8731.985	9559.320	18291.305
SAN BENITO	735.516	369.586	1105.101
SAN BERNARDINO	22999.979	14745.099	37745.078
SAN DIEGO	26198.045	21067.939	47265.984
SAN FRANCISCO	1766.374	2685.067	4451.441
SAN JOAQUIN	6855.192	4766.052	11621.245
SAN LUIS OBISPO	3422.956	1827.149	5250.104
SAN MATEO	7068.675	3595.448	10664.123
SANTA BARBARA	4124.430	2573.982	6698.412
SANTA CLARA	12423.641	12609.564	25033.205
SANTA CRUZ	1835.398	1927.947	3763.345
SHASTA	1871.826	1452.859	3324.685
SIERRA	81.786	56.407	138.192
SISKIYOU	875.449	458.605	1334.054
SOLANO	5177.128	2464.748	7641.876
SONOMA	3387.882	3072.352	6460.234
STANISLAUS	2950.395	4151.293	7101.688
SUTTER	743.242	648.861	1392.103
TEHAMA	1078.033	535.425	1613.458
TRINITY	157.713	103.885	261.598
TULARE	3082.590	3261.023	6343.612
TUOLUMNE	535.910	461.438	997.348
VENTURA	6124.608	5213.506	11338.114
YOLO	2178.335	1196.610	3374.945
YUBA	491.604	564.041	1055.645
TOTAL	289559.031	247239.016	536798.063

2025 ANNUAL STATEWIDE VKT DISTRIBUTION BY COUNTY (MILLIONS)

COUNTY	SHS	OTHER	TOTAL
ALAMEDA	21020.055	12898.356	33918.409
ALPINE	126.910	34.459	161.369
AMADOR	617.829	248.420	866.249
BUTTE	1999.137	3244.708	5243.845
CALAVERAS	744.029	431.367	1175.397
COLUSA	1785.912	489.624	2275.535
CONTRA COSTA	10135.293	9130.186	19265.480
DEL NORTE	410.746	239.105	649.852
EL DORADO	2661.718	2483.573	5145.292
FRESNO	8490.083	12097.326	20587.409
GLENN	1096.366	469.071	1565.436
HUMBOLDT	1553.793	1127.851	2681.643
IMPERIAL	4617.659	2279.616	6897.273
INYO	934.541	262.135	1196.676
KERN	14463.083	9897.493	24360.576
KINGS	2106.446	1533.700	3640.146
LAKE	1005.315	596.474	1601.790
LASSEN	793.835	807.958	1601.793
LOS ANGELES	93397.867	104209.031	197606.899
MADERA	3445.163	1608.642	5053.807
MARIN	3393.263	2779.314	6172.578
MARIPOSA	351.072	394.362	745.435
MENDOCINO	1869.364	1230.092	3099.457
MERCED	4856.461	2321.556	7178.017
MODOC	194.932	266.762	461.693
MONO	626.608	150.993	777.601
MONTEREY	6201.958	5004.463	11206.421
NAPA	1729.269	1145.739	2875.008
NEVADA	1928.797	1094.903	3023.700
ORANGE	32823.324	32429.658	65252.983
PLACER	5493.084	3900.026	9393.112
PLUMAS	403.562	389.477	793.040
RIVERSIDE	33717.727	22778.559	56496.285
SACRAMENTO	14052.768	15384.234	29437.002
SAN BENITO	1183.698	594.791	1778.488
SAN BERNARDINO	37014.879	23729.938	60744.815
SAN DIEGO	42161.668	33905.563	76067.228
SAN FRANCISCO	2842.703	4321.196	7163.900
SAN JOAQUIN	11032.362	7670.217	18702.581
SAN LUIS OBISPO	5508.714	2940.511	8449.223
SAN MATEO	11375.930	5786.313	17162.242
SANTA BARBARA	6637.626	4142.422	10780.049
SANTA CLARA	19993.912	20293.127	40287.038
SANTA CRUZ	2953.787	3102.730	6056.517
SHASTA	3012.412	2338.150	5350.562
SIERRA	131.622	90.778	222.398
SISKIYOU	1408.899	738.053	2146.952
SOLANO	8331.780	3966.627	12298.407
SONOMA	5452.268	4944.471	10396.739
STANISLAUS	4748.201	6680.858	11429.059
SUTTER	1196.132	1044.241	2240.373
TEHAMA	1734.926	861.683	2596.609
TRINITY	253.814	167.187	421.001
TULARE	4960.948	5248.108	10209.054
TUOLUMNE	862.464	742.612	1605.076
VENTURA	9856.602	8390.324	18246.926
YOLO	3505.690	1925.757	5431.448
YUBA	791.160	907.736	1698.896
TOTAL	466000.094	397892.625	863892.745

APPENDIX C

CALIFORNIA VEHICLE FUEL CONSUMPTION BY COUNTY AND FUEL TYPE

1995 ANNUAL STATEWIDE VFC DISTRIBUTION BY COUNTY

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	567.313	78.239	645.552
ALPINE	2.162	0.289	2.450
AMADOR	15.290	2.414	17.705
BUTTE	71.271	10.898	82.169
CALAVERAS	16.377	2.018	18.395
COLUSA	21.142	10.991	32.133
CONTRA COSTA	327.205	37.697	364.902
DEL NORTE	9.941	1.900	11.842
EL DORADO	66.902	7.834	74.736
FRESNO	273.532	59.844	333.376
GLENN	18.324	9.597	27.921
HUMBOLDT	52.842	9.525	62.367
IMPERIAL	63.581	19.557	83.137
INYO	21.197	4.293	25.490
KERN	269.325	101.270	370.595
KINGS	42.782	12.264	55.046
LAKE	20.964	2.679	23.643
LASSEN	25.602	6.000	31.602
LOS ANGELES	3507.030	472.980	3980.011
MADERA	51.944	16.529	68.472
MARIN	121.026	11.322	132.348
MARISPOSA	11.018	0.909	11.927
MENDOCINO	48.815	7.713	56.529
MERCED	94.719	34.059	128.778
MODOC	7.328	2.035	9.363
MONO	12.752	2.482	15.235
MONTEREY	151.091	27.608	178.698
NAPA	42.532	5.748	48.279
NEVADA	44.368	7.598	51.966
ORANGE	1061.933	133.375	1195.308
PLACER	114.180	19.018	133.198
PLUMAS	13.130	2.888	16.018
RIVERSIDE	557.851	139.249	697.100
SACRAMENTO	428.933	66.411	495.344
SAN BENITO	18.717	4.873	23.591
SAN BERNARDINO	714.652	177.707	892.359
SAN DIEGO	1070.276	124.792	1195.068
SAN FRANCISCO	172.838	14.092	186.930
SAN JOAQUIN	222.537	67.002	289.539
SAN LUIS OBISPO	105.364	18.408	123.772
SAN MATEO	305.807	26.189	331.996
SANTA BARBARA	145.217	22.769	167.985
SANTA CLARA	658.540	67.197	725.737
SANTA CRUZ	83.801	8.286	92.088
SHASTA	75.620	21.871	97.491
SIERRA	4.038	1.269	5.308
SISKIYOU	34.361	18.660	53.021
SOLANO	172.492	28.194	200.686
SONOMA	153.252	19.926	173.178
STANISLAUS	154.715	34.255	188.969
SUTTER	31.307	6.032	37.339
TEHAMA	33.137	13.046	46.183
TRINITY	6.602	2.383	8.985
TULARE	125.786	39.598	165.384
TUOLUMNE	22.443	2.841	25.284
VENTURA	270.426	35.839	306.265
YOLO	76.526	19.521	96.046
YUBA	25.401	3.527	28.929
TOTAL	12838.255	2105.512	14943.767

VFC in Million Gallons

2000 ANNUAL STATEWIDE VFC DISTRIBUTION BY COUNTY

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	653.376	99.330	752.706
ALPINE	2.650	0.408	3.059
AMADOR	17.115	2.774	19.889
BUTTE	93.391	12.767	106.159
CALAVERAS	18.011	2.522	20.532
COLUSA	23.092	12.050	35.142
CONTRA COSTA	370.883	53.103	423.986
DEL NORTE	11.149	2.315	13.464
EL DORADO	75.557	10.273	85.830
FRESNO	312.772	82.791	395.564
GLENN	19.630	8.607	28.237
HUMBOLDT	55.975	11.817	67.792
IMPERIAL	74.419	25.761	100.180
INYO	24.033	5.132	29.165
KERN	311.269	152.750	464.019
KINGS	50.008	18.711	68.718
LAKE	22.908	3.768	26.676
LASSEN	26.499	7.467	33.966
LOS ANGELES	3687.244	539.173	4226.416
MADERA	59.295	24.142	83.437
MARIN	130.150	14.896	145.046
MARIPOSA	12.286	1.104	13.390
MENDOCINO	52.947	8.813	61.759
MERCED	99.248	41.765	141.012
MODOC	8.630	2.498	11.128
MONO	13.547	3.015	16.562
MONTEREY	165.433	35.240	200.673
NAPA	53.296	9.764	63.060
NEVADA	49.821	12.489	62.310
ORANGE	1206.531	156.766	1363.297
PLACER	134.639	26.590	161.229
PLUMAS	16.343	3.567	19.910
RIVERSIDE	646.122	172.030	818.152
SACRAMENTO	483.659	79.986	563.645
SAN BENITO	24.345	6.965	31.310
SAN BERNARDINO	783.827	228.658	1012.485
SAN DIEGO	1222.122	154.059	1376.181
SAN FRANCISCO	181.247	15.156	196.403
SAN JOAQUIN	247.292	88.785	336.077
SAN LUIS OBISPO	121.548	25.156	146.704
SAN MATEO	346.404	36.871	383.275
SANTA BARBARA	165.768	27.635	193.403
SANTA CLARA	721.112	86.635	807.748
SANTA CRUZ	95.487	10.465	105.953
SHASTA	86.176	28.616	114.792
SIERRA	5.008	1.714	6.722
SISKIYOU	38.758	21.333	60.091
SOLANO	197.171	40.874	238.045
SONOMA	170.175	28.941	199.116
STANISLAUS	155.259	40.195	195.454
SUTTER	34.613	5.723	40.336
TEHAMA	37.278	16.373	53.651
TRINITY	8.432	2.073	10.505
TULARE	139.093	49.922	189.015
TUOLUMNE	26.480	3.533	30.013
VENTURA	299.855	40.762	340.617
YOLO	84.187	23.197	107.384
YUBA	27.976	4.935	32.911
TOTAL	14201.540	2632.760	16834.300

VFC in Million Gallons

2005 ANNUAL STATEWIDE VFC DISTRIBUTION BY COUNTY

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	699.057	96.614	795.671
ALPINE	3.040	0.424	3.464
AMADOR	19.042	2.790	21.831
BUTTE	89.377	11.532	100.909
CALAVERAS	20.645	2.615	23.260
COLUSA	28.999	13.650	42.649
CONTRA COSTA	405.008	52.345	457.353
DEL NORTE	12.288	2.295	14.582
EL DORADO	86.446	10.615	97.060
FRESNO	362.839	88.361	451.200
GLENN	23.033	9.053	32.086
HUMBOLDT	60.606	11.542	72.148
IMPERIAL	89.728	27.869	117.596
INYO	25.790	4.973	30.763
KERN	368.385	161.718	530.103
KINGS	59.786	19.998	79.785
LAKE	26.564	3.946	30.510
LASSEN	29.241	7.345	36.586
LOS ANGELES	4100.485	542.309	4642.794
MADERA	71.363	26.106	97.469
MARIN	140.355	14.509	154.864
MARIPOSA	13.936	1.140	15.076
MENDOCINO	59.072	8.874	67.947
MERCED	116.389	44.255	160.643
MODOC	9.430	2.452	11.882
MONO	14.991	3.003	17.994
MONTEREY	189.468	36.016	225.484
NAPA	57.467	9.590	67.058
NEVADA	55.315	12.439	67.754
ORANGE	1341.245	158.093	1499.338
PLACER	153.210	27.196	180.406
PLUMAS	17.829	3.538	21.368
RIVERSIDE	801.155	192.642	993.798
SACRAMENTO	541.109	80.968	622.077
SAN BENITO	28.479	7.388	35.867
SAN BERNARDINO	934.428	245.472	1179.900
SAN DIEGO	1428.392	162.271	1590.663
SAN FRANCISCO	189.385	14.364	203.749
SAN JOAQUIN	300.787	99.121	399.907
SAN LUIS OBISPO	140.237	26.089	166.326
SAN MATEO	377.327	36.374	413.701
SANTA BARBARA	194.021	29.114	223.136
SANTA CLARA	815.736	88.711	904.447
SANTA CRUZ	107.311	10.623	117.933
SHASTA	97.984	29.306	127.290
SIERRA	5.290	1.625	6.916
SISKIYOU	42.897	21.146	64.043
SOLANO	224.789	41.809	266.598
SONOMA	196.913	30.346	227.259
STANISLAUS	185.227	43.503	228.730
SUTTER	39.991	6.003	45.995
TEHAMA	42.812	16.835	59.647
TRINITY	9.104	2.018	11.123
TULARE	164.323	52.843	217.166
TUOLUMNE	30.046	3.637	33.683
VENTURA	344.585	42.346	386.932
YOLO	97.354	24.234	121.588
YUBA	31.714	5.067	36.781
TOTAL	16121.825	2731.062	18852.887

VFC in Million Gallons

2010 ANNUAL STATEWIDE VFC DISTRIBUTION BY COUNTY

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	764.729	103.453	868.183
ALPINE	3.401	0.464	3.866
AMADOR	20.493	2.941	23.434
BUTTE	102.554	12.941	115.495
CALAVERAS	23.514	2.913	26.428
COLUSA	35.424	16.397	51.821
CONTRA COSTA	440.980	55.750	496.730
DEL NORTE	13.715	2.512	16.227
EL DORADO	99.568	11.957	111.525
FRESNO	411.445	98.351	509.796
GLENN	27.205	10.512	37.717
HUMBOLDT	64.686	12.085	76.771
IMPERIAL	109.556	33.440	142.996
INYO	27.854	5.271	33.124
KERN	431.561	186.203	617.764
KINGS	68.817	22.621	91.438
LAKE	30.672	4.464	35.136
LASSEN	32.861	8.106	40.966
LOS ANGELES	4478.777	579.545	5058.322
MADERA	85.226	30.654	115.881
MARIN	149.971	15.131	165.102
MARIPOSA	15.648	1.245	16.893
MENDOCINO	65.874	9.694	75.568
MERCED	134.221	50.168	184.389
MODOC	10.301	2.631	12.932
MONO	16.645	3.273	19.917
MONTEREY	217.444	40.539	257.983
NAPA	63.294	10.353	73.647
NEVADA	62.179	13.727	75.906
ORANGE	1469.116	169.253	1638.369
PLACER	177.486	30.886	208.372
PLUMAS	19.050	3.709	22.759
RIVERSIDE	959.329	226.491	1185.819
SACRAMENTO	608.893	89.221	698.114
SAN BENITO	33.062	8.427	41.489
SAN BERNARDINO	1095.659	282.676	1378.334
SAN DIEGO	1600.557	177.636	1778.193
SAN FRANCISCO	195.040	14.376	209.415
SAN JOAQUIN	348.094	112.724	460.818
SAN LUIS OBISPO	161.710	29.513	191.223
SAN MATEO	406.682	38.230	444.912
SANTA BARBARA	219.483	32.256	251.738
SANTA CLARA	897.119	95.267	992.386
SANTA CRUZ	122.057	11.784	133.842
SHASTA	109.871	32.282	142.153
SIERRA	5.555	1.677	7.232
SISKIYOU	46.800	22.676	69.477
SOLANO	253.037	46.162	299.199
SONOMA	219.901	33.200	253.101
STANISLAUS	214.544	49.462	264.006
SUTTER	45.332	6.664	51.996
TEHAMA	49.147	18.998	68.145
TRINITY	9.816	2.136	11.952
TULARE	190.170	60.091	250.261
TUOLUMNE	33.686	3.987	37.673
VENTURA	385.462	46.317	431.779
YOLO	109.916	26.870	136.786
YUBA	35.539	5.563	41.102
TOTAL	18030.727	3025.874	21056.600

VFC in Million Gallons

2015 ANNUAL STATEWIDE VFC DISTRIBUTION BY COUNTY

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	812.226	109.288	921.515
ALPINE	3.694	0.502	4.196
AMADOR	21.412	3.057	24.469
BUTTE	114.257	14.333	128.589
CALAVERAS	26.004	3.204	29.207
COLUSA	41.955	19.365	61.319
CONTRA COSTA	466.198	58.598	524.797
DEL NORTE	14.859	2.710	17.568
EL DORADO	111.353	13.298	124.651
FRESNO	452.794	107.775	560.569
GLENN	31.163	12.005	43.168
HUMBOLDT	67.017	12.467	79.484
IMPERIAL	129.778	39.479	169.257
INYO	29.200	5.503	34.703
KERN	490.233	210.814	701.047
KINGS	76.842	25.173	102.016
LAKE	34.384	4.980	39.363
LASSEN	35.837	8.807	44.643
LOS ANGELES	4749.815	611.163	5360.978
MADERA	98.724	35.404	134.129
MARIN	155.608	15.593	171.201
MARIPOSA	17.063	1.346	18.409
MENDOCINO	71.317	10.442	81.760
MERCED	150.125	55.935	206.060
MODOC	10.920	2.778	13.698
MONO	17.937	3.514	21.451
MONTEREY	242.237	44.958	287.195
NAPA	67.674	11.017	78.691
NEVADA	67.836	14.916	82.752
ORANGE	1562.507	178.920	1741.428
PLACER	199.592	34.569	234.161
PLUMAS	19.757	3.831	23.587
RIVERSIDE	1114.819	262.169	1376.989
SACRAMENTO	665.209	96.960	762.170
SAN BENITO	37.247	9.461	46.709
SAN BERNARDINO	1246.664	320.407	1567.071
SAN DIEGO	1741.478	192.046	1933.524
SAN FRANCISCO	195.076	14.250	209.326
SAN JOAQUIN	390.802	126.117	516.919
SAN LUIS OBISPO	181.006	32.897	213.903
SAN MATEO	425.638	39.725	465.363
SANTA BARBARA	241.048	35.242	276.291
SANTA CLARA	958.043	101.067	1059.110
SANTA CRUZ	134.815	12.922	147.737
SHASTA	119.534	34.992	154.526
SIERRA	5.660	1.702	7.362
SISKIYOU	49.498	23.907	73.405
SOLANO	276.486	50.221	326.707
SONOMA	238.413	35.817	274.229
STANISLAUS	241.177	55.371	296.548
SUTTER	49.889	7.295	57.184
TEHAMA	54.718	21.084	75.802
TRINITY	10.271	2.227	12.498
TULARE	213.515	67.229	280.744
TUOLUMNE	36.671	4.314	40.985
VENTURA	418.671	50.011	468.682
YOLO	120.431	29.329	149.760
YUBA	38.663	6.022	44.685
TOTAL	19595.760	3308.530	22904.289

VFC in Million Gallons

2020 ANNUAL STATEWIDE VFC DISTRIBUTION BY COUNTY

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	880.405	118.183	998.589
ALPINE	4.095	0.555	4.650
AMADOR	22.831	3.253	26.084
BUTTE	129.918	16.252	146.171
CALAVERAS	29.349	3.607	32.956
COLUSA	50.656	23.370	74.026
CONTRA COSTA	503.008	63.061	566.069
DEL NORTE	16.427	2.990	19.417
EL DORADO	127.101	15.143	142.243
FRESNO	508.382	120.770	629.152
GLENN	36.401	14.011	50.412
HUMBOLDT	70.848	13.157	84.004
IMPERIAL	156.805	47.646	204.452
INYO	31.235	5.878	37.113
KERN	567.789	243.918	811.707
KINGS	87.513	28.635	116.148
LAKE	39.336	5.686	45.021
LASSEN	39.872	9.784	49.656
LOS ANGELES	5140.971	659.830	5800.801
MADERA	116.626	41.795	158.421
MARIN	164.794	16.463	181.257
MARIPOSA	18.993	1.492	20.485
MENDOCINO	78.795	11.512	90.307
MERCED	171.233	63.741	234.974
MODOC	11.809	3.000	14.809
MONO	19.724	3.858	23.582
MONTEREY	275.360	51.005	326.365
NAPA	73.838	11.996	85.834
NEVADA	75.508	16.577	92.085
ORANGE	1696.124	193.697	1889.820
PLACER	229.038	39.585	268.623
PLUMAS	20.907	4.047	24.954
RIVERSIDE	1321.716	310.325	1632.041
SACRAMENTO	741.656	107.844	849.501
SAN BENITO	42.807	10.862	53.669
SAN BERNARDINO	1447.068	371.338	1818.406
SAN DIEGO	1933.918	212.649	2146.567
SAN FRANCISCO	199.166	14.490	213.656
SAN JOAQUIN	447.498	144.235	591.734
SAN LUIS OBISPO	206.738	37.513	244.251
SAN MATEO	454.693	42.299	496.992
SANTA BARBARA	270.165	39.408	309.573
SANTA CLARA	1044.247	109.830	1154.076
SANTA CRUZ	151.988	14.520	166.508
SHASTA	132.653	38.776	171.429
SIERRA	5.882	1.767	7.648
SISKIYOU	53.367	25.756	79.123
SOLANO	308.271	55.894	364.165
SONOMA	263.786	39.544	303.330
STANISLAUS	276.610	63.390	340.000
SUTTER	56.031	8.173	64.204
TEHAMA	62.122	23.915	86.037
TRINITY	10.966	2.374	13.339
TULARE	244.515	76.889	321.404
TUOLUMNE	40.743	4.781	45.524
VENTURA	464.114	55.294	519.408
YOLO	134.616	32.735	167.351
YUBA	42.923	6.671	49.595
TOTAL	21753.945	3705.768	25459.714

VFC in Million Gallons

2025 ANNUAL STATEWIDE VFC DISTRIBUTION BY COUNTY

COUNTY	GASOLINE	DIESEL	TOTAL
ALAMEDA	952.392	127.420	1079.812
ALPINE	4.530	0.612	5.142
AMADOR	24.294	3.451	27.746
BUTTE	147.436	18.376	165.812
CALAVERAS	33.058	4.050	37.107
COLUSA	61.022	28.095	89.117
CONTRA COSTA	541.646	67.666	609.312
DEL NORTE	18.123	3.289	21.411
EL DORADO	144.788	17.195	161.983
FRESNO	569.620	134.854	704.474
GLENN	42.426	16.291	58.717
HUMBOLDT	74.744	13.838	88.583
IMPERIAL	189.057	57.291	246.347
INYO	33.343	6.257	39.600
KERN	656.154	281.128	937.283
KINGS	99.452	32.451	131.903
LAKE	44.910	6.472	51.382
LASSEN	44.269	10.831	55.100
LOS ANGELES	5553.296	710.294	6263.591
MADERA	137.472	49.152	186.625
MARIN	174.179	17.337	191.516
MARIPOSA	21.100	1.650	22.750
MENDOCINO	86.881	12.653	99.534
MERCED	194.880	72.360	267.240
MODOC	12.744	3.227	15.972
MONO	21.643	4.223	25.866
MONTEREY	312.376	57.671	370.047
NAPA	80.401	13.020	93.421
NEVADA	83.874	18.358	102.232
ORANGE	1837.526	209.115	2046.641
PLACER	262.295	45.180	307.474
PLUMAS	22.079	4.260	26.340
RIVERSIDE	1563.755	366.027	1929.781
SACRAMENTO	825.237	119.580	944.818
SAN BENITO	49.094	12.425	61.519
SAN BERNARDINO	1676.167	428.813	2104.981
SAN DIEGO	2143.370	234.824	2378.194
SAN FRANCISCO	202.948	14.705	217.654
SAN JOAQUIN	511.323	164.341	675.663
SAN LUIS OBISPO	235.644	42.634	278.278
SAN MATEO	484.769	44.929	529.698
SANTA BARBARA	302.188	43.931	346.118
SANTA CLARA	1135.964	119.038	1255.002
SANTA CRUZ	171.012	16.274	187.286
SHASTA	146.901	42.810	189.711
SIERRA	6.099	1.827	7.926
SISKIYOU	57.408	27.639	85.047
SOLANO	343.004	62.001	405.005
SONOMA	291.273	43.524	334.797
STANISLAUS	316.598	72.317	388.915
SUTTER	62.803	9.128	71.931
TEHAMA	70.372	27.023	97.395
TRINITY	11.683	2.522	14.205
TULARE	279.420	87.611	367.031
TUOLUMNE	45.179	5.283	50.461
VENTURA	513.469	60.962	574.431
YOLO	150.158	36.406	186.564
YUBA	47.558	7.367	54.925
TOTAL	24125.406	4142.008	28267.414

VFC in Million Gallons